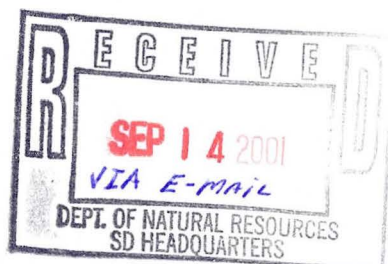


**MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY**



ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

**APL, Inc.
8222 West Calumet Road
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September 15, 2001

FEBRUARY 2001

1.0 Introduction

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

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

1.1 Site Background Review

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

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

1.2 Project Objectives

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

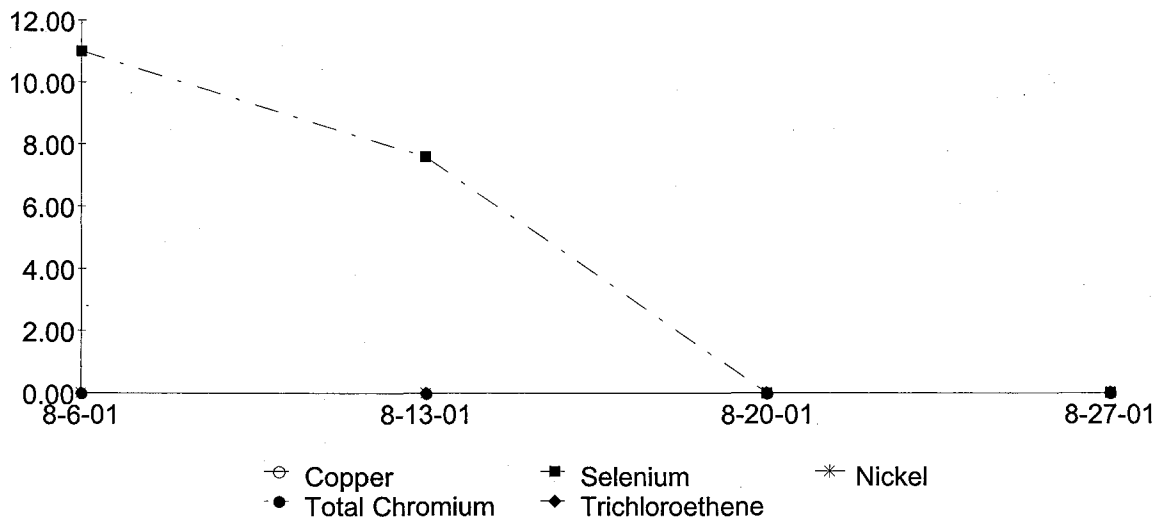
1.3 Effluent Monitoring

Weekly monitoring was conducted on August 6, 13, 20, and 27. The weekly samples for August were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in August showed an exceedence of Selenium 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

A partial round of Monitoring Well sampling was conducted on August 1, to complete a change in sampling requirements that was brought to my attention in the new contract. The Monitoring Well sampling is conducted on a quarterly basis but more Monitoring Wells and analyses were included in this round. Some of the results of the Monitoring Wells' analyses are enclosed with this report. The other results were submitted with the September 2001 report due to the time frame needed to complete the sampling.

Some of the Monitoring Wells that the operators were requested to sample were determined to be problematic. The following Monitor Wells (MW-02S, MW-03S, MW-05S, & MW-06) were too dry to sample. Monitoring Well # 11B has always been buried, but has recently been discovered. The operators are waiting on a decision to be made whether to rehabilitate it or abandon it properly. Monitor Well # 01D is very slow on refilling after it has been emptied of liquid. Monitoring Well # 04D has a rope coming out of it (a bailer may be stuck in it or the casing may be damaged--a lot of large grained dirt was removed from it during bailing) and it is very slow on refilling after it has been emptied of liquid. The following Monitor Wells (MW-05D, MW-03D, MW-12B, & MW-09S) are slow on refilling but can be completed in a timely matter. Monitoring Well # 3D, also, had a lot of large grained dirt was removed from it during bailing that prevented the bailer from seating properly. New bailers were needed to complete the MW-03D sampling. These Monitoring Well issues were brought to the attention of Paul Kozol from the WDNR. Mr. Kozol stated that these Monitoring Wells will be inspected during the Plume Investigation Study that is scheduled for the near future.

2.0 Plant Permit Exceedences

Paul Kozol, Project Manager from the WDNR, was notified about the exceedence of Selenium from the August 6 sampling. The August 6 results of Selenium was 11 ug/l and the re-testing result was 11 ug/l. The permit limit for Selenium is 10 ug/l. Mr. Kozol allowed the plant to continue to operate based on the result being between the Level of Detection (LOD) and the Level of Quantitation (LOQ). Mr. Kozol stated that he would have the WDNR Wastewater Program look into finding a source of the Selenium. August 13th Selenium result was 7.6 ug/l and August 20th and 27th Selenium result was "Less Than the Level of Detection (LOD)."

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down one time for a total of 0.83 hours in August, 2001. The shut down was due to clean RMT-301 and FT-311. Table 1 shows the summary of the plant down time for the month of August, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
8-10-01	0.83	Shut Down to Clean RMT-301 & FT-311
TOTAL	0.83	

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

On August 10, the treatment plant was shut down to remove the sludge/hardness build-up from the Rapid Mix Tank (RMT-301) and Flocculation Tank (FT-311). All mixers were shut off and locked out and the pH probe was removed and placed in water. RMT-301 was drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-120). The access covers were removed and the chemical feed pumps were shut down and isolated. After RMT-301 was drained, the FT-311 was set up to be drained. As FT-311 was draining, the walls and mixer were cleaned in RMT-301 and the walls, mixer, and floor were cleaned in FT-311. The drain hose was put back in line for RMT-301 and the floor was cleaned. All tanks were refilled using ESP-120 in the discharge mode and the treatment plant was restarted. All chemical feed pumps and mixers for RMT-301 and FT-311 were activated. The access covers and pH probe were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 0.83 hours. APL Inc., WDNR, and USACE were notified.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 6 times during the month of August, 2001. It was filled and emptied on August 1, 9, 14, 17, 28, and 31. The dewatered sludge is sampled 1 time during the 90 day period since the first opening of the press for the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on January 22. A new hopper was set up on

June 13, 2001. The first filter press load of dewatered sludge that was added to the new hopper occurred on June 15. The dewatered sludge hopper removal date is September 12. There were 13 filter press loads of dewatered sludge in the new hopper at the end of August, 2001.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on August 6, 13, 20, and 27 of 2001. The laboratory results of these samples showed that Selenium exceeded 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 August, 2001, the plant was shut down one time for a total of 0.83 hours. See Table 1, Section 3.0 for shut down time. 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 September 15, 2001.

The Filter Press was filled and emptied 6 times during the month of August, 2001. A new hopper was set up on June 13. The hopper has 13 Filter Press fillings in it at the end of August, 2001.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL	(ug/l)				
	Date: August 2001				
Parameter	MW01DP	MW02SP	MW03DP	MW04DP	MW09SP
pH	7.86	DRY	6.89	7.27	6.63
Conductivity	521	NT	789	854	660
Arsenic	NT	NT	<5.6/<5.6	NT	<5.6/<5.6
Barium	NT	NT	90/70	NT	250/200
Cadmium	NT	NT	0.41/0.74	NT	0.54/0.79
Cadmium Total	NT	NT	<0.4/<0.4	NT	<0.4/<0.4
Recoverable					
Chromium +6	NT	NT	<4.2	NT	<4.2
Chromium Total	NT	NT	<8/<8	NT	60/<8
Copper	NT	NT	<6/100	NT	90/<6
Iron	NT	NT	3300/460	NT	13,000/530
Lead	NT	NT	<1.5/<1.5	NT	<1.5/<1.5
Manganese	NT	NT	60/20	NT	380/100
Mercury	NT	NT	<0.02/<0.02	NT	<0.02/<0.02
Nickel	NT	NT	<11/<11	NT	20/<11
Selenium	NT	NT	<4.8/<4.8	NT	<4.8/<4.8
Silver	NT	NT	6/5	NT	4/4
Thallium	NT	NT	<1.3/<1.3	NT	<1.3/<1.3
Zinc	NT	NT	20/70	NT	70/<14
Cyanide	NT	NT	<6	NT	<6
Cyanide Free	NT	NT	<6	NT	<6
1,1-Dichloroethane	NT	NT	<0.32	NT	<0.32
1,2-Dichloroethane	NT	NT	<0.35	NT	<0.35
1,1-Dichloroethene	NT	NT	<0.34	NT	<0.34
1,2-Dichloroethene Cis	NT	NT	<0.27	NT	<0.27
1,2-Dichloroethene Trans	NT	NT	<0.25	NT	<0.25
Ethylbenzene	NT	NT	<0.25	NT	<0.25
Methylene Chloride	NT	NT	<0.3	NT	<0.3
Tetrachloroethene	NT	NT	<0.31	NT	<0.31
Toluene	NT	NT	<0.29	NT	<0.29
1,1,1-Trichloroethane	NT	NT	<0.31	NT	<0.31
1,1,2-Trichloroethane	NT	NT	<0.44	NT	<0.44
TCE	NT	NT	<0.34	NT	<0.34
Vinyl Chloride	NT	NT	<0.2	NT	<0.2
Xylene Total	NT	NT	<0.53	NT	<0.53
Temperature (C)	16.3	NT	13.7	13	15.4

uMHOS/CM

MW01DP, MW02SP, & MW04DP Were Too Dry To Sample.

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW08P	MW11BP
January 5, 2001	6.74	5.85	4.52	4.41	DRY	COVERED
February 5, 2001	6.63	DRY	4.02	5.00	DRY	COVERED
March 1 & 5, 2001	5.40	DRY	3.02	3.49	DRY	COVERED
April 02, 2001	5.41	DRY	3.37	3.69	DRY	COVERED
May 1, 2001	6.12	DRY	3.58	4.09	DRY	COVERED
June 6-8, 2001	5.68	DRY	3.83	3.78	DRY	COVERED
July 03, 2001	6.19	DRY	3.9	4.36	DRY	COVERED
July 17-18, 2001	7.29	DRY	DRY	5.47	DRY	COVERED
August 03, 2001	7.32	DRY	DRY	5.11	DRY	COVERED

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL	(ug/l)					
	Date: August 2001					
Parameter	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
pH	6.79	DRY	DRY	6.93	DRY	COVERED
Conductivity	887	NT	NT	903	NT	NT
Arsenic	<5.6/<5.6	NT	NT	<5.6/<5.6	NT	NT
Barium	100/100	NT	NT	150/100	NT	NT
Cadmium	<0.4/<0.4	NT	NT	<0.4/<0.4	NT	NT
Cadmium Total	<0.4/<0.4	NT	NT	<0.4/<0.4	NT	NT
Recoverable						
Chromium +6	<4.2	NT	NT	<4.2	NT	NT
Chromium Total	<8/<8	NT	NT	60/<8	NT	NT
Copper	<6/<6	NT	NT	<6/<6	NT	NT
Iron	890/500	NT	NT	10,000/1400	NT	NT
Lead	<1.5/<1.5	NT	NT	2.4/<1.5	NT	NT
Manganese	30/30	NT	NT	190/80	NT	NT
Mercury	<0.02/<0.02	NT	NT	<0.02/<0.02	NT	NT
Nickel	<11/<11	NT	NT	20/<11	NT	NT
Selenium	<4.8/<4.8	NT	NT	<4.8/<4.8	NT	NT
Silver	6/<4	NT	NT	5/<4	NT	NT
Thallium	<1.3/<1.3	NT	NT	<1.3/<1.3	NT	NT
Zinc	<14/<14	NT	NT	30/<14	NT	NT
Cyanide	<6	NT	NT	<6	NT	NT
Cyanide Free	<6	NT	NT	<6	NT	NT
1,1-Dichloroethane	<0.32	NT	NT	28	NT	NT
1,2-Dichloroethane	<0.35	NT	NT	<1.8	NT	NT
1,1-Dichloroethene	<0.34	NT	NT	5.3	NT	NT
1,2-Dichloroethene Cis	<0.27	NT	NT	80	NT	NT
1,2-Dichloroethene Trans	<0.25	NT	NT	10	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	527	NT	NT
Vinyl Chloride	<0.2	NT	NT	<1	NT	NT
Xylene Total	<0.53	NT	NT	<2.7	NT	NT
Temperature (C)	15.3	NT	NT	14.4	NT	NT

uMHOS/CM

MW05P, MW06P, & MW03SP Were Too Dry To Sample.

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL FEET					
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
January 5, 2001	4.86	3.89	5.89	5.41	10.85	3.03
February 5, 2001	4.65	3.54	5.55	4.52	10.47	2.45
March 1, 7, & 8, 2001	3.81	2.74	4.84	2.51	9.26	2.82
April 02, 2001	3.95	2.86	4.87	2.72	9.57	2.55
May 1, 2001	4.31	3.22	5.01	2.92	9.8	2.92
June 6-7, 2001	3.92	2.87	4.89	2.78	9.59	2.61
July 03, 2001	3.98	3.58	5.3	3.19	10.04	3.15
July 17-20, 2001	5.59	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

OCONOMOWOC GROUNDWATER TREATMENT PLANT

MONITORING WELL	(ug/l)					
	Date: August 2001					
Parameter	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
pH	7.09	8.86	8.71	6.78	6.69	6.81
Conductivity	868	1011	714	676	981	1348
Arsenic	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6	<5.6/<5.6
Barium	80/20	70/60	80/30	40/30	120/110	40/20
Cadmium	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	0.64/<0.4
Cadmium Total Recoverable	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<0.4/<0.4	<11/<0.4
Chromium +6	<4.2	<4.2	<4.2	<4.2	<4.2	<4.2
Chromium Total	100/<8	<8/<8	90/<8	<8/<8	10/<8	10/<8
Copper	20/20	420/<6	10/<6	<6/<6	20/<6	<6/<6
Iron	1600/<81	2300/<81	8400/<81	<81/<81	<81/<81	27,000/14,000
Lead	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5	<1.5/<1.5
Manganese	30/10	50/30	120/<6	60/60	290/270	420/170
Mercury	<0.02/<0.02	<0.02/<0.02	<0.02/<0.02	<0.02/<0.02	0.02/<0.02	<0.02/<0.02
Nickel	30/<11	30/20	30/20	10/<11	10/<11	70/20
Selenium	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8	<4.8/<4.8
Silver	<4/<4	<4/<4	5/<4	<4/<4	7/<4	<4/<4
Thallium	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3	<1.3/<1.3
Zinc	40/20	20/20	20/<14	10/<14	<14/<14	70/20
Cyanide	<6	<6	<6	<6	<6	<6
Cyanide Free	<6	<6	<6	<6	<6	<6
1,1-Dichloroethane	<0.32	83	<0.32	<0.32	<0.32	<1.6
1,2-Dichloroethane	<0.35	<1.8	<0.35	<0.35	<0.35	<1.8
1,1-Dichloroethene	<0.34	39	<0.34	<0.34	<0.34	<1.7
1,2-Dichloroethene Cis	<0.27	38	<0.27	<0.27	0.78	256
1,2-Dichloroethene Trans	<0.25	22	<0.25	<0.25	<0.25	3.3
Ethylbenzene	<0.25	<1.3	<0.25	<0.25	<0.25	<1.3
Methylene Chloride	<0.3	<1.5	<0.3	<0.3	<0.3	<1.5
Tetrachloroethene	<0.31	<1.6	<0.31	<0.31	<0.31	<1.6
Toluene	<0.29	<1.5	<0.29	<0.29	<0.29	<1.5
1,1,1-Trichloroethane	<0.31	328	<0.31	<0.31	<0.31	<1.6
1,1,2-Trichloroethane	<0.44	<2.2	<0.44	<0.44	<0.44	<2.2
TCE	<0.34	127	<0.34	2.6	5.7	<1.7
Vinyl Chloride	<0.2	<1	<0.2	<0.2	<0.2	148
Xylene Total	<0.53	<2.7	<0.53	<0.53	<0.53	<2.7
Temperature (C)	14.6	13.9	13.1	15.7	13.7	14.7

uMHOS/CM

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date: 8-06-01

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	7.7	Monitor	
TSS	<1	NT	NT	NT	6	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	9	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	1200	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	<6	Monitor	
Mercury	<0.02	NT	NT	NT	<0.02	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	11	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	20	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	15	NT	<0.32	<0.32/<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35/<0.35	<0.35	0.5	
1,1-Dichloroethene	7.3	NT	<0.34	<0.34/<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	34	NT	<0.27	<0.27/<0.27	<0.27	7	
1,2-Dichloroethene Trans	13	NT	<0.25	<0.25/<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25/<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3/<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31/<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29/<0.29	<0.29	68	
1,1,1-Trichloroethane	103	NT	<0.31	<0.31/<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44/<0.44	<0.44	0.5	
TCE	367	NT	<0.34	<0.34/<0.34	<0.34	0.5	
Vinyl Chloride	<1	NT	<0.2	<0.2/<0.2	<0.2	0.2	
Xylene Total	<2.7	NT	<0.53	<0.53/<0.53	<0.53	124	
COD	19	NT	NT	NT	5.4	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.4	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<0.1	Monitor	mg/l

NT = Not Tested.

N/A = Not Applicable at this time.

ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

Sample Point "After the Air Stripper" was duplicate sampled.

* Requested the lab to verify the result and rerun the sample. The second result was the same as the first (11 ug/l).

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date:

8-13-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.6	N/A	N/A	7.4	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	8	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	1800	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	160	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	7.6	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	20	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	13	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	9.3	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	30	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	11	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	2.9	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	107	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	407	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:

8-20-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	6.9	11.6	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	<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	10	NT	NT	NT	<8	10	
Copper	<8	NT	NT	NT	<6	Monitor	
Iron	960	NT	NT	NT	<81	Monitor	
Lead	7.4	NT	NT	NT	<1.5	1.5	
Manganese	160	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30	NT	NT	NT	<11	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	20	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	14	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	30	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	12	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	101	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	351	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: 8-27-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.6	N/A	N/A	7.7	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	100	NT	NT	NT	10	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<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	150	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	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	16	NT	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<1.8	NT	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethane	<1.7	NT	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	31	NT	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	<1.3	NT	<0.25	<0.25	<0.25	20	
Ethylbenzene	<1.3	NT	<0.25	<0.25	<0.25	140	
Methylene Chloride	<1.5	NT	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<1.6	NT	<0.31	<0.31	<0.31	0.5	
Toluene	<1.5	NT	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	96	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	384	NT	0.53	<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.

FLOW FROM EXTRACTION WELLS

YEAR: 2001			
MONTH: AUG.	FE-100 FLOW	TOTAL DAY'S	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	1,581,977.00	35,909.00	0.036
2	1,617,886.00	34,047.00	0.034
3	1,651,933.00	24,281.00	0.024
4	1,676,214.00	32,762.00	0.033
5	1,708,976.00	45,081.00	0.045
6	1,754,037.00	30,262.00	0.030
7	1,784,299.00	25,162.00	0.025
8	1,809,461.00	31,037.00	0.031
9	1,840,498.00	35,412.00	0.035
10	1,875,910.00	26,877.00	0.027
11	1,902,787.00	30,981.00	0.031
12	1,933,768.00	40,713.00	0.041
13	1,974,481.00	31,865.00	0.032
14	2,006,346.00	31,675.00	0.032
15	2,038,021.00	28,337.00	0.028
16	2,066,358.00	34,188.00	0.034
17	2,100,546.00	26,655.00	0.027
18	2,127,201.00	34,353.00	0.034
19	2,161,554.00	43,693.00	0.044
20	2,205,247.00	34,626.00	0.035
21	2,239,873.00	33,875.00	0.034
22	2,273,748.00	34,014.00	0.034
23	2,307,762.00	33,704.00	0.034
24	2,341,466.00	22,862.00	0.023
25	2,364,328.00	34,456.00	0.034
26	2,398,784.00	45,295.00	0.045
27	2,444,079.00	33,420.00	0.033
28	2,477,499.00	32,911.00	0.033
29	2,510,410.00	32,682.00	0.033
30	2,543,092.00	32,317.00	0.032
31	2,575,409.00	22,894.00	0.023
September 01	2,598,303.00		
		TOTAL	1.016
		AVERAGE	0.033

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FLOW FROM EQT-100

YEAR: 2001			
MONTH: AUG. DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	157,278.70	45,973.90	0.046
2	203,252.60	46,026.70	0.046
3	249,279.30	33,447.20	0.033
4	282,726.50	45,417.10	0.045
5	328,143.60	62,649.10	0.063
6	390,792.70	42,809.30	0.043
7	433,602.00	35,091.80	0.035
8	468,693.80	40,972.90	0.041
9	509,666.70	49,264.00	0.049
10	558,930.70	38,751.30	0.039
11	597,682.00	42,636.10	0.043
12	640,318.10	55,518.20	0.056
13	695,836.30	42,557.30	0.043
14	738,393.60	40,502.70	0.041
15	778,896.30	40,488.00	0.040
16	819,384.30	42,132.60	0.042
17	861,516.90	33,154.50	0.033
18	894,671.40	43,295.60	0.043
19	937,967.00	55,370.90	0.055
20	993,337.90	44,419.10	0.044
21	1,037,757.00	44,083.00	0.044
22	1,081,840.00	46,422.00	0.046
23	1,128,262.00	46,486.00	0.046
24	1,174,748.00	31,472.00	0.031
25	1,206,220.00	47,623.00	0.048
26	1,253,843.00	59,515.00	0.060
27	1,313,358.00	47,722.00	0.048
28	1,361,080.00	47,569.00	0.048
29	1,408,649.00	44,168.00	0.044
30	1,452,817.00	45,714.00	0.046
31	1,498,531.00	30,798.00	0.031
September 01	1,529,329.00		
		TOTAL	1.372
		AVERAGE	0.044

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FLOW FROM EXTRACTION WELLS

YEAR: 2001			
MONTH: AUG.	FIT-100 FLOW	TOTAL DAY'S	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	5,999,640.70	36,043.60	0.036
2	6,035,684.30	34,073.20	0.034
3	6,069,757.50	24,401.10	0.024
4	6,094,158.60	32,868.70	0.033
5	6,127,027.30	45,108.30	0.045
6	6,172,135.60	30,277.40	0.030
7	6,202,413.00	25,227.80	0.025
8	6,227,640.80	32,610.30	0.033
9	6,260,251.10	33,980.70	0.034
10	6,294,231.80	25,698.90	0.026
11	6,319,930.70	31,973.60	0.032
12	6,351,904.30	41,150.90	0.041
13	6,393,055.20	32,002.50	0.032
14	6,425,057.70	31,765.20	0.032
15	6,456,822.90	28,417.60	0.028
16	6,485,240.50	34,277.10	0.034
17	6,519,517.60	26,658.90	0.027
18	6,546,176.50	34,135.20	0.034
19	6,580,311.70	44,173.20	0.044
20	6,624,484.90	34,765.40	0.035
21	6,659,250.30	33,959.30	0.034
22	6,693,209.60	34,099.00	0.034
23	6,727,308.60	33,761.60	0.034
24	6,761,070.20	23,434.00	0.023
25	6,784,504.20	34,247.30	0.034
26	6,818,751.50	45,243.20	0.045
27	6,863,994.70	33,532.90	0.034
28	6,897,527.60	32,982.80	0.033
29	6,930,510.40	32,821.40	0.033
30	6,963,331.80	32,440.10	0.032
31	6,995,771.90	22,890.80	0.023
September 01	7,018,662.70		
		TOTAL	1.018
		AVERAGE	0.033

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FLOW FROM EQT-100

YEAR: 2001			
MONTH: AUG. DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	425,058.80	46,074.90	0.046
2	471,133.70	46,029.10	0.046
3	517,162.80	33,548.50	0.034
4	550,711.30	45,545.30	0.046
5	596,256.80	62,707.80	0.063
6	658,964.40	42,800.90	0.043
7	701,765.30	35,254.50	0.035
8	737,019.80	43,363.10	0.043
9	780,362.90	47,052.30	0.047
10	827,435.20	36,351.80	0.036
11	863,767.00	44,790.50	0.045
12	908,577.50	56,031.60	0.056
13	964,609.10	42,666.70	0.043
14	1,007,275.80	40,551.00	0.041
15	1,047,826.80	40,720.60	0.041
16	1,088,547.40	42,163.20	0.042
17	1,130,710.60	32,949.20	0.033
18	1,163,659.80	43,096.70	0.043
19	1,206,756.50	56,103.70	0.056
20	1,262,860.20	44,530.90	0.045
21	1,307,391.10	44,122.80	0.044
22	1,351,513.90	46,572.70	0.047
23	1,398,086.60	46,519.10	0.047
24	1,444,605.70	32,238.50	0.032
25	1,476,842.20	47,170.30	0.047
26	1,524,012.50	59,577.60	0.060
27	1,583,590.10	47,796.80	0.048
28	1,631,366.90	47,620.40	0.048
29	1,679,007.30	44,255.20	0.044
30	1,723,262.50	45,820.80	0.046
31	1,769,063.30	30,607.50	0.031
September 01	1,799,690.80		

SHUT DOWN

TOTAL 1.378
AVERAGE 0.044

EFFLUENT FLOW FROM PLANT

YEAR: 2001			
MONTH: AUG.	NPDES STATION	TOTAL DAY'S	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	4,108,716.00	34,783.00	0.035
2	4,143,509.00	35,107.00	0.035
3	4,178,616.00	27,048.00	0.027
4	4,205,664.00	34,586.00	0.035
5	4,240,250.00	47,842.00	0.048
6	4,288,192.00	28,739.00	0.029
7	4,316,931.00	26,191.00	0.026
8	4,343,122.00	30,259.00	0.030
9	4,373,381.00	36,807.00	0.037
10	4,410,188.00	29,944.00	0.030
11	4,440,132.00	36,067.00	0.036
12	4,476,199.00	41,503.00	0.042
13	4,517,702.00	32,288.00	0.032
14	4,549,990.00	31,737.00	0.032
15	4,581,727.00	29,876.00	0.030
16	4,611,603.00	36,951.00	0.037
17	4,648,554.00	26,347.00	0.026
18	4,674,901.00	36,774.00	0.037
19	4,711,675.00	41,061.00	0.041
20	4,752,738.00	35,130.00	0.035
21	4,787,868.00	33,427.00	0.033
22	4,821,293.00	35,824.00	0.036
23	4,857,117.00	35,466.00	0.035
24	4,892,583.00	24,208.00	0.024
25	4,916,791.00	38,497.00	0.038
26	4,955,288.00	43,933.00	0.044
27	4,999,221.00	36,006.00	0.036
28	5,035,227.00	35,841.00	0.036
29	5,071,068.00	33,152.00	0.033
30	5,104,220.00	34,542.00	0.035
31	5,138,782.00	25,288.00	0.025
September 01	5,164,050.00		
		TOTAL	1.055
		AVERAGE	0.034

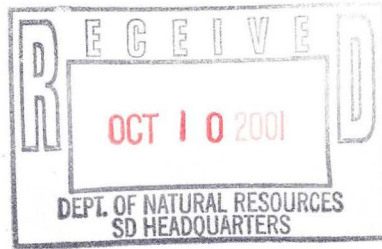
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PRECIPITATION

YEAR: 2001	
MONTH: AUG.	RAINFALL
DAY	(INCHES)
1	0.00
2	1.35
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.15
11	0.00
12	0.00
13	0.10
14	0.00
15	0.00
16	0.50
17	0.00
18	0.00
19	0.75
20	0.10
21	0.00
22	0.40
23	0.15
24	0.00
25	0.10
26	1.50
27	0.15
28	0.00
29	0.00
30	0.00
31	0.00
TOTAL	5.35



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



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20010565
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 25303		Matrix: GW		Collection: 8/1/2001		Time: 07:30				
Client ID: 010801MW14DP				Sample Description: FILTERED						
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.03	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	
Sample Number: 25304		Matrix: GW		Collection: 8/1/2001		Time: 07:30				
Client ID: 010801MW14DP				Sample Description: UNFILTERED						
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.04	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	0.01	mg/l	J RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

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INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER: 20010565
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 25305		Matrix: GW						Collection: 8/1/2001		Time: 07:35
Client ID: 010801MW03DP								Sample Description: FILTERED		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.07	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	0.74	ug/l	J TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Cadmium-Total Recoverable	<0.4	ug/l	TR	0.4	1.3	7131	jb	8/20/2001	998335	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper - ICAP	0.1	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	0.46	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.005	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	0.07	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25306		Matrix: GW						Collection: 8/1/2001		Time: 07:35
Client ID: 010801MW03DP								Sample Description: UNFILTERED		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	0.41	ug/l	J TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Cadmium-Total Recoverable	<0.4	ug/l	TR	0.4	1.3	7131	jb	8/20/2001	998335	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	3.3	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.006	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	



INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550

INVOICE NUMBER: 20010565
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	jb	8/20/2001	998030	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25307
 Client ID: 010801MW15DP

Matrix: GW

Collection: 8/1/2001 Time: 07:40

Sample Description: FILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.27	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	0.00002	mg/l	J RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25308
 Client ID: 010801MW15DP

Matrix: GW

Collection: 8/1/2001 Time: 07:40

Sample Description: UNFILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	0.02	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.29	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.007	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	

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INORGANIC REPORT

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WDNR# 241340550

INVOICE NUMBER: 20010565
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25309 Matrix: GW
 Client ID: 010801MW02DP
 Collection: 8/1/2001 Time: 07:45
 Sample Description: FILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	0.5	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25310 Matrix: GW
 Client ID: 010801MW02DP
 Collection: 8/1/2001 Time: 07:45
 Sample Description: UNFILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	0.89	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.006	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	

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INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
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INVOICE NUMBER: 20010565
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25311
 Client ID: 010801MW09SP

Matrix: GW

Collection: 8/1/2001 Time: 07:50

Sample Description: FILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.2	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	0.79	ug/l	J TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Cadmium-Total Recoverable	<0.4	ug/l	TR	0.4	1.3	7131	jb	8/20/2001	998335	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	0.53	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.1	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.004	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25312
 Client ID: 010801MW09SP

Matrix: GW

Collection: 8/1/2001 Time: 07:50

Sample Description: UNFILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.25	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	0.54	ug/l	J TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Cadmium-Total Recoverable	<0.4	ug/l	TR	0.4	1.3	7131	jb	8/20/2001	998335	
Chromium, Total - ICAP	0.06	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	0.09	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	13	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.38	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	8/15/2001	998002	

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INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
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 Milwaukee, WI 53223

INVOICE NUMBER: 20010565
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.004	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	0.07	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25313

Matrix: GW

Client ID: 010801MW13SP

Collection: 8/1/2001

Time: 11:55

Sample Description: FILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.03	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997912	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25314

Matrix: GW

Client ID: 010801MW13SP

Collection: 8/1/2001

Time: 11:55

Sample Description: UNFILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.06	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	0.09	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper - ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	8.4	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997912	
Manganese - ICAP	0.12	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	8/15/2001	998002	



INORGANIC REPORT

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INVOICE NUMBER: 20010565
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.005	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25315

Matrix: GW

Collection: 8/1/2001

Time: 12:00

Client ID: 010801MW05DP

Sample Description: FILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	1.4	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997912	
Manganese - ICAP	0.08	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Sample Number: 25316

Matrix: GW

Collection: 8/1/2001

Time: 12:00

Client ID: 010801MW05DP

Sample Description: UNFILTERED

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.15	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	0.06	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	10	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	2.4	ug/l	J RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.19	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	8/15/2001	998002	



INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER: 20010565
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 06-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	0.005	mg/l	J RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	0.03	mg/l	J RJ	0.014	0.04	200.7	bb	8/15/2001	998002	

Approved By: James Chang Date: 10/1/01
James Chang, Ph.D., Lab Director

RJ Result expressed as Total.

TR Result expressed as Total Recoverable.

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

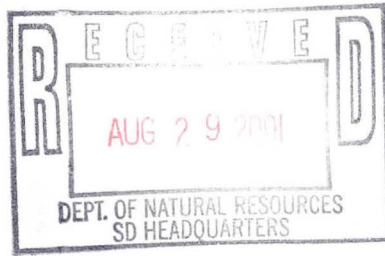
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550

INVOICE NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 25293		Matrix: GW						Collection: 8/6/2001		Time: 08:15
Client ID: 010806WA02P								Sample Description:		
pH (water)	9.5	s.u.	#			150.1	ogtp	8/6/2001	997908	
Sample Number: 25294		Matrix: GW						Collection: 8/6/2001		Time: 08:17
Client ID: 010806WA03P								Sample Description:		
pH (water)	12	s.u.	#			150.1	ogtp	8/6/2001	997908	
Sample Number: 25295		Matrix: GW						Collection: 8/6/2001		Time: 08:00
Client ID: 010806WA05P								Sample Description:		
pH (water)	6.9	s.u.	#			150.1	ogtp	8/6/2001	997908	
Sample Number: 25298		Matrix: GW						Collection: 8/6/2001		Time: 08:10
Client ID: 010806WA09P								Sample Description:		
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	jts	8/7/2001	998026	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/6/2001	997941	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/6/2001	997940	
pH (water)	7.7	s.u.	#			150.1	ogtp	8/6/2001	997908	
Sample Number: 25301		Matrix: GW						Collection: 8/6/2001		Time: 08:25
Client ID: 010806WA01P								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	1.2	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	

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
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INVOICE NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	jts	8/7/2001	998026	
COD. Total	19	mg/l	RJ	3.4	11	410.4-CT	djr	8/10/2001	998021	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/6/2001	997941	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	8/6/2001	997940	
pH (water)	6.9	s.u.	#			150.1	ogtp	8/6/2001	997908	
Solids, Total Suspended	<1	mg/l		1	3.2	SM 2540D	jb	8/16/2001	998003	

Sample Number: 25302

Matrix: GW

Collection: 8/6/2001

Time: 08:20

Client ID: 010806WA09R

Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/13/2001	997959	
Barium - ICAP	0.009	mg/l	J RJ	0.007	0.02	200.7	bb	8/15/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/15/2001	997972	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/15/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/15/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/7/2001	997911	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/15/2001	998002	
Mercury CV	<0.00002	mg/l	RJ	2E-05	43E-05	245.1	bb	8/6/2001	997927	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/15/2001	998002	
Selenium - Furnace AA	11	ug/l	J RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/15/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/15/2001	998002	
COD. Total	5.4	mg/l	J RJ	3.4	11	410.4-CT	djr	8/10/2001	998021	
Nitrate + Nitrite Nitrogen	1.4	mg/l	RJ	0.03	0.10	353.3	tds	8/9/2001	998024	
Nitrogen, Ammonia	<0.10	mg/l	RJ	0.1	0.32	350.1	tds	8/9/2001	998022	
Phosphorus, Total	<1.0	mg/l		1	3.2	365.2	tds	8/10/2001	998025	
Solids, Total Suspended	6	mg/l		1	3.2	SM 2540D	jb	8/16/2001	998003	



INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
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Milwaukee, WI 53223

INVOICE NUMBER 20010564
DATE REPORTED: 20-Aug-01
DATE RECEIVED: 06-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: James Chang Date: 8/20/01
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.



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25296	QC Prep Batch Number: 997968					Collection: 8/6/2001			Time: 08:03
Client ID: 010806WA07P						Sample Description:			
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	tm		8/8/2001 / 8/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	tm		8/8/2001 / 8/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	tm		8/8/2001 / 8/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	tm		8/8/2001 / 8/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	tm		8/8/2001 / 8/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	tm		8/8/2001 / 8/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	tm		8/8/2001 / 8/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	tm		8/8/2001 / 8/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	tm		8/8/2001 / 8/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	tm		8/8/2001 / 8/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	tm		8/8/2001 / 8/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	tm		8/8/2001 / 8/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	tm		8/8/2001 / 8/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	tm		8/8/2001 / 8/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	tm		8/8/2001 / 8/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	tm		8/8/2001 / 8/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	tm		8/8/2001 / 8/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	tm		8/8/2001 / 8/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	tm		8/8/2001 / 8/7/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1	8260	tm		8/8/2001 / 8/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	tm		8/8/2001 / 8/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	tm		8/8/2001 / 8/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	tm		8/8/2001 / 8/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	tm		8/8/2001 / 8/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	tm		8/8/2001 / 8/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	tm		8/8/2001 / 8/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	tm		8/8/2001 / 8/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	tm		8/8/2001 / 8/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	tm		8/8/2001 / 8/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	tm		8/8/2001 / 8/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	tm		8/8/2001 / 8/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	tm		8/8/2001 / 8/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	tm		8/8/2001 / 8/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	tm		8/8/2001 / 8/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	tm		8/8/2001 / 8/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	tm		8/8/2001 / 8/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	tm		8/8/2001 / 8/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	tm		8/8/2001 / 8/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	tm		8/8/2001 / 8/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	tm		8/8/2001 / 8/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	tm		8/8/2001 / 8/7/2001

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 these terms and conditions set forth herein.



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	8/8/2001 / 8/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	8/8/2001 / 8/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	8/8/2001 / 8/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	8/8/2001 / 8/7/2001

Sample Number: 25297

QC Prep Batch Number: 997968

Collection: 8/6/2001

Time: 08:06

Client ID: 010806WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	8/8/2001 / 8/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	tm	8/8/2001 / 8/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	8/8/2001 / 8/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	8/8/2001 / 8/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	8/8/2001 / 8/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	8/8/2001 / 8/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	8/8/2001 / 8/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	8/8/2001 / 8/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	8/8/2001 / 8/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	8/8/2001 / 8/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	8/8/2001 / 8/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001

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 these terms and conditions set forth herein.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	tm	8/8/2001 / 8/7/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	8/8/2001 / 8/7/2001

Sample Number: 25298

QC Prep Batch Number: 997968

Collection: 8/6/2001

Time: 08:10

Client ID: 010806WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	8/8/2001 / 8/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	8/8/2001 / 8/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	8/8/2001 / 8/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	8/8/2001 / 8/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	8/8/2001 / 8/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	8/8/2001 / 8/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	8/8/2001 / 8/7/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	1.0	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	8/8/2001 / 8/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	8/8/2001 / 8/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	8/8/2001 / 8/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	8/8/2001 / 8/7/2001

Sample Number: 25299

QC Prep Batch Number: 997968

Collection: 8/6/2001

Time: 10:00

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	8/8/2001 / 8/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	tm	8/8/2001 / 8/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	8/8/2001 / 8/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	8/8/2001 / 8/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	8/8/2001 / 8/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	8/8/2001 / 8/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	8/8/2001 / 8/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	8/8/2001 / 8/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	8/8/2001 / 8/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	8/8/2001 / 8/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	8/8/2001 / 8/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001

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: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	8/8/2001 / 8/7/2001

Sample Number: 25300

QC Prep Batch Number: 997968

Collection: 8/6/2001

Time: 08:06

Client ID: 010806WA08Q

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	tm	8/8/2001 / 8/7/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	tm	8/8/2001 / 8/7/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	8/8/2001 / 8/7/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	8/8/2001 / 8/7/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	8/8/2001 / 8/7/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	8/8/2001 / 8/7/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	8/8/2001 / 8/7/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	8/8/2001 / 8/7/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	8/8/2001 / 8/7/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	8/8/2001 / 8/7/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	8/8/2001 / 8/7/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	8/8/2001 / 8/7/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	8/8/2001 / 8/7/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	8/8/2001 / 8/7/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	8/8/2001 / 8/7/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	8/8/2001 / 8/7/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	8/8/2001 / 8/7/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	8/8/2001 / 8/7/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	8/8/2001 / 8/7/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	8/8/2001 / 8/7/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	8/8/2001 / 8/7/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	8/8/2001 / 8/7/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	8/8/2001 / 8/7/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	8/8/2001 / 8/7/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	8/8/2001 / 8/7/2001

Sample Number: 25301

QC Prep Batch Number: 997968

Collection: 8/6/2001

Time: 08:25

Client ID: 010806WA01P

Sample Description:

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	tm	8/8/2001 / 8/7/2001
1,1,1-Trichloroethane	103	ug/l	1.6	4.9	5		8260	tm	8/8/2001 / 8/7/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	tm	8/8/2001 / 8/7/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethane	15	ug/l	1.6	5.1	5		8260	tm	8/8/2001 / 8/7/2001
1,1-Dichloroethene	7.3	ug/l	1.7	5.4	5		8260	tm	8/8/2001 / 8/7/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	tm	8/8/2001 / 8/7/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	tm	8/8/2001 / 8/7/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	tm	8/8/2001 / 8/7/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	tm	8/8/2001 / 8/7/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	tm	8/8/2001 / 8/7/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	tm	8/8/2001 / 8/7/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	tm	8/8/2001 / 8/7/2001
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	tm	8/8/2001 / 8/7/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	tm	8/8/2001 / 8/7/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	tm	8/8/2001 / 8/7/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	tm	8/8/2001 / 8/7/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	tm	8/8/2001 / 8/7/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	tm	8/8/2001 / 8/7/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	tm	8/8/2001 / 8/7/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	tm	8/8/2001 / 8/7/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	tm	8/8/2001 / 8/7/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	tm	8/8/2001 / 8/7/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	tm	8/8/2001 / 8/7/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	tm	8/8/2001 / 8/7/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	tm	8/8/2001 / 8/7/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	tm	8/8/2001 / 8/7/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	tm	8/8/2001 / 8/7/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	tm	8/8/2001 / 8/7/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	tm	8/8/2001 / 8/7/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	tm	8/8/2001 / 8/7/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	tm	8/8/2001 / 8/7/2001
cis-1,2-Dichloroethene	34	ug/l	1.4	4.3	5		8260	tm	8/8/2001 / 8/7/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	tm	8/8/2001 / 8/7/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	tm	8/8/2001 / 8/7/2001
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	tm	8/8/2001 / 8/7/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	tm	8/8/2001 / 8/7/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	tm	8/8/2001 / 8/7/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	tm	8/8/2001 / 8/7/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	tm	8/8/2001 / 8/7/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	tm	8/8/2001 / 8/7/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	tm	8/8/2001 / 8/7/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	tm	8/8/2001 / 8/7/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	tm	8/8/2001 / 8/7/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	tm	8/8/2001 / 8/7/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010564
 DATE REPORTED: 20-Aug-01
 DATE RECEIVED: 06-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGT
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	tm	8/8/2001 / 8/7/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	tm	8/8/2001 / 8/7/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	tm	8/8/2001 / 8/7/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	tm	8/8/2001 / 8/7/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	tm	8/8/2001 / 8/7/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	tm	8/8/2001 / 8/7/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	tm	8/8/2001 / 8/7/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	tm	8/8/2001 / 8/7/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	tm	8/8/2001 / 8/7/2001
trans-1,2-Dichloroethene	13	ug/l	1.3	4.0	5		8260	tm	8/8/2001 / 8/7/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	tm	8/8/2001 / 8/7/2001
Trichloroethene	367	ug/l	1.7	5.4	5		8260	tm	8/8/2001 / 8/7/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	tm	8/8/2001 / 8/7/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	tm	8/8/2001 / 8/7/2001

Approved By: James Chang Date: 8/20/01
 James Chang, Ph.D., Lab Director

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

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

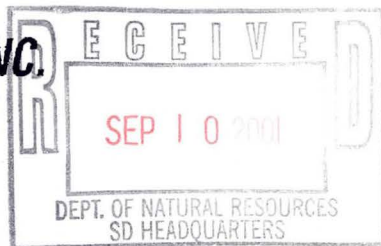
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study

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

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

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

DNR Analytical Detection Limit Guidance, April 1995.



INORGANIC REPORT

Dr. James Chang
 APL Environmental
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WDNR# 241340550

INVOICE NUMBER: 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 25426		Matrix: GW						Collection: 8/13/2001	Time: 09:50	
Client ID: 010813WA09R								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/20/2001	998042	
Barium - ICAP	0.008	mg/l	J RJ	0.007	0.02	200.7	ex/bb	8/17/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/23/2001	998067	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ex/bb	8/17/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ex/bb	8/17/2001	998002	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ex/bb	8/17/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/16/2001	997995	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ex/bb	8/17/2001	998002	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1		8/17/2001	998031	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ex/bb	8/17/2001	998002	
Selenium - Furnace AA	7.6	ug/l	J RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ex/bb	8/17/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ex/bb	8/17/2001	998002	

Sample Number: 25427		Matrix: GW						Collection: 8/13/2001	Time: 09:35	
Client ID: 010813WA01P								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jb	8/20/2001	998042	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	ex/bb	8/17/2001	998002	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/23/2001	998067	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ex/bb	8/17/2001	998002	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ex/bb	8/17/2001	998002	
Iron - ICAP	1.8	mg/l	RJ	0.081	0.26	200.7	ex/bb	8/17/2001	998002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/16/2001	997995	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	ex/bb	8/17/2001	998002	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	8/20/2001	998031	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ex/bb	8/17/2001	998002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jb	8/16/2001	998007	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ex/bb	8/17/2001	998002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jb	8/20/2001	998030	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ex/bb	8/17/2001	998002	



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER **20010595**
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	jts	8/14/2001	998054	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/17/2001	998039	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	8/17/2001	998041	
pH (water)	7.1	s.u.	#			150.1	ogtp	8/13/2001	997992	
<hr/> Sample Number: 25428 Matrix: GW Client ID: 010813WA02P Collection: 8/13/2001 Time: 09:55 Sample Description:										
pH (water)	9.5	s.u.	#			150.1	ogtp	8/13/2001	997992	
<hr/> Sample Number: 25429 Matrix: GW Client ID: 080813WA03P Collection: 8/13/2001 Time: 09:57 Sample Description:										
pH (water)	12	s.u.	#			150.1	ogtp	8/13/2001	997992	
<hr/> Sample Number: 25430 Matrix: GW Client ID: 010813WA05P Collection: 8/13/2001 Time: 09:53 Sample Description:										
pH (water)	7.1	s.u.	#			150.1	ogtp	8/13/2001	997992	
<hr/> Sample Number: 25433 Matrix: GW Client ID: 010813WA09P Collection: 8/13/2001 Time: 09:46 Sample Description:										
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	jts	8/14/2001	998054	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/17/2001	998039	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/17/2001	998041	
pH (water)	7.4	s.u.	#			150.1	ogtp	8/13/2001	997992	



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: James Chang Date: 8/27/01
 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.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 25427	QC Prep Batch Number: 998090					Collection: 8/13/2001			Time: 09:35
Client ID: 010813WA01P						Sample Description:			
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	qh		8/16/2001 /
1,1,1-Trichloroethane	107	ug/l	1.6	4.9	5	8260	qh		8/16/2001 /
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		8/16/2001 /
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		8/16/2001 /
1,1-Dichloroethane	13	ug/l	1.6	5.1	5	8260	qh		8/16/2001 /
1,1-Dichloroethene	9.3	ug/l	1.7	5.4	5	8260	qh		8/16/2001 /
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	qh		8/16/2001 /
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	qh		8/16/2001 /
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	qh		8/16/2001 /
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	qh		8/16/2001 /
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	qh		8/16/2001 /
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	qh		8/16/2001 /
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		8/16/2001 /
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	qh		8/16/2001 /
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	qh		8/16/2001 /
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		8/16/2001 /
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		8/16/2001 /
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	qh		8/16/2001 /
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	qh		8/16/2001 /
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	qh		8/16/2001 /
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	qh		8/16/2001 /
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	qh		8/16/2001 /
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	qh		8/16/2001 /
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	qh		8/16/2001 /
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	qh		8/16/2001 /
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	qh		8/16/2001 /
Acetone	< 7.8	ug/l	7.8	25	5	8260	qh		8/16/2001 /
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	qh		8/16/2001 /
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	qh		8/16/2001 /
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	qh		8/16/2001 /
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	qh		8/16/2001 /
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	qh		8/16/2001 /
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	qh		8/16/2001 /
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	qh		8/16/2001 /
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		8/16/2001 /
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	qh		8/16/2001 /
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	qh		8/16/2001 /
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	qh		8/16/2001 /
cis-1,2-Dichloroethene	30	ug/l	1.4	4.3	5	8260	qh		8/16/2001 /
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	qh		8/16/2001 /
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	qh		8/16/2001 /

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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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	8/16/2001 /
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/16/2001 /
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/16/2001 /
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/16/2001 /
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/16/2001 /
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/16/2001 /
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/16/2001 /
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/16/2001 /
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/16/2001 /
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/16/2001 /
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/16/2001 /
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/16/2001 /
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/16/2001 /
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/16/2001 /
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/16/2001 /
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/16/2001 /
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/16/2001 /
Tetrachloroethene	2.9	ug/l	1.6	4.9	5	J	8260	qh	8/16/2001 /
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/16/2001 /
trans-1,2-Dichloroethene	11	ug/l	1.3	4.0	5		8260	qh	8/16/2001 /
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/16/2001 /
Trichloroethene	407	ug/l	1.7	5.4	5		8260	qh	8/16/2001 /
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/16/2001 /
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	8/16/2001 /

Sample Number: 25431

QC Prep Batch Number: 998090

Collection: 8/13/2001

Time: 09:40

Client ID: 010813WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/16/2001 / 8/16/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001



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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010595
DATE REPORTED: 27-Aug-01
DATE RECEIVED: 14-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	8/16/2001 / 8/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/16/2001 / 8/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/16/2001 / 8/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/16/2001 / 8/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/16/2001 / 8/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/16/2001 / 8/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/16/2001 / 8/16/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/16/2001 / 8/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/16/2001 / 8/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/16/2001 / 8/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/16/2001 / 8/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/16/2001 / 8/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001

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: 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

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	8/16/2001 / 8/16/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/16/2001 / 8/16/2001

Sample Number: 25432

QC Prep Batch Number: 998090

Collection: 8/13/2001

Time: 09:43

Client ID: 010813WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/16/2001 / 8/16/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/16/2001 / 8/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/16/2001 / 8/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/16/2001 / 8/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/16/2001 / 8/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/16/2001 / 8/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/16/2001 / 8/16/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/16/2001 / 8/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/16/2001 / 8/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/16/2001 / 8/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/16/2001 / 8/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/16/2001 / 8/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/16/2001 / 8/16/2001

Sample Number: 25433

QC Prep Batch Number: 998090

Collection: 8/13/2001

Time: 09:46

Client ID: 010813WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/16/2001 / 8/16/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010595
DATE REPORTED: 27-Aug-01
DATE RECEIVED: 14-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

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	8/16/2001 / 8/16/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/16/2001 / 8/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/16/2001 / 8/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/16/2001 / 8/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/16/2001 / 8/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/16/2001 / 8/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/16/2001 / 8/16/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/16/2001 / 8/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/16/2001 / 8/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/16/2001 / 8/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/16/2001 / 8/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001

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: 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/16/2001 / 8/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/16/2001 / 8/16/2001

Sample Number: 25434

QC Prep Batch Number: 998090

Collection: 8/13/2001

Time: 12:00

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/16/2001 / 8/16/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/16/2001 / 8/16/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/16/2001 / 8/16/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/16/2001 / 8/16/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/16/2001 / 8/16/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/16/2001 / 8/16/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/16/2001 / 8/16/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/16/2001 / 8/16/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010595
DATE REPORTED: 27-Aug-01
DATE RECEIVED: 14-Aug-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/16/2001 / 8/16/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/16/2001 / 8/16/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/16/2001 / 8/16/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/16/2001 / 8/16/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/16/2001 / 8/16/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/16/2001 / 8/16/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/16/2001 / 8/16/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/16/2001 / 8/16/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/16/2001 / 8/16/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/16/2001 / 8/16/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/16/2001 / 8/16/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/16/2001 / 8/16/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/16/2001 / 8/16/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/16/2001 / 8/16/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/16/2001 / 8/16/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/16/2001 / 8/16/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/16/2001 / 8/16/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/16/2001 / 8/16/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/16/2001 / 8/16/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010595
 DATE REPORTED: 27-Aug-01
 DATE RECEIVED: 14-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: OGTP
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By: James Chang Date: 8/27/01
 James Chang, Ph.D., Lab Director

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

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



INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550
 INVOICE NUMBER: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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: 25512		Matrix: GW						Collection: 8/20/2001		Time: 11:35
Client ID: 010820WA								Sample Description: 01P		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	8/30/2001	998128	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	8/28/2001	998123	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/23/2001	998067	
Chromium, Total - ICAP	0.01	mg/l	J RJ	0.008	0.03	200.7	bb	8/28/2001	998123	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Iron - ICAP	0.96	mg/l	RJ	0.081	0.26	200.7	bb	8/28/2001	998123	
Lead - Furnace AA	7.4	ug/l	RJ	1.5	4.8	239.2	jb	8/27/2001	998100	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	8/31/2001	998137	
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	8/28/2001	998123	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/4/2001	998149	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/28/2001	998123	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/4/2001	998152	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/28/2001	998123	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	jts	8/21/2001	998111	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998171	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998172	
pH (water)	6.9	s.u.	#			150.1	ogtp	8/20/2001	998043	
Sample Number: 25513		Matrix: GW						Collection: 8/20/2001		Time: 11:52
Client ID: 010820WA								Sample Description: 02P		
pH (water)	9.5	s.u.	#			150.1	ogtp	8/20/2001	998043	
Sample Number: 25514		Matrix: GW						Collection: 8/20/2001		Time: 11:54
Client ID: 010820WA								Sample Description: 03P		
pH (water)	12	s.u.	#			150.1	ogtp	8/20/2001	998043	
Sample Number: 25515		Matrix: GW						Collection: 8/20/2001		Time: 11:38
Client ID: 010820WA								Sample Description: 05P		
pH (water)	7.4	s.u.	#			150.1	ogtp	8/20/2001	998043	



INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
 APL Environmental
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INVOICE NUMBER: **20010615**
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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: 25518		Matrix: GW						Collection: 8/20/2001		Time: 11:44
Client ID: 010820WA								Sample Description: 09P		
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	jts	8/21/2001	998111	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998171	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998172	
pH (water)	7.6	s.u.	#			150.1	ogtp	8/20/2001	998043	

Sample Number: 25519		Matrix: GW						Collection: 8/20/2001		Time: 11:49
Client ID: 010820WA								Sample Description: 09R		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	8/30/2001	998128	
Barium - ICAP	<0.007	mg/l	RJ	0.007	0.02	200.7	bb	8/28/2001	998123	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jb	8/23/2001	998067	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/28/2001	998123	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/28/2001	998123	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jb	8/27/2001	998100	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	8/31/2001	998137	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/28/2001	998123	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/4/2001	998149	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/28/2001	998123	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/4/2001	998152	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/28/2001	998123	



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: OGTP

Dr. James Chang
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 Milwaukee, WI 53223

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: James Chang Date: 9/5/01
 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.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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: 25512									
Client ID: 010820WA									
QC Prep Batch Number: 998175									
Collection: 8/20/2001									
Time: 11:35									
Sample Description: 01P									
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	Admin		/ 8/23/2001
1,1,1-Trichloroethane	101	ug/l	1.6	4.9	5	8260	Admin		/ 8/23/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	Admin		/ 8/23/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	Admin		/ 8/23/2001
1,1-Dichloroethane	14	ug/l	1.6	5.1	5	8260	Admin		/ 8/23/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5	8260	Admin		/ 8/23/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	Admin		/ 8/23/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	Admin		/ 8/23/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	Admin		/ 8/23/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	Admin		/ 8/23/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	Admin		/ 8/23/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	Admin		/ 8/23/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	Admin		/ 8/23/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	Admin		/ 8/23/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	Admin		/ 8/23/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	Admin		/ 8/23/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	Admin		/ 8/23/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	Admin		/ 8/23/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	Admin		/ 8/23/2001
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	Admin		/ 8/23/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	Admin		/ 8/23/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	Admin		/ 8/23/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	Admin		/ 8/23/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	Admin		/ 8/23/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	Admin		/ 8/23/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	Admin		/ 8/23/2001
Acetone	< 7.8	ug/l	7.8	25	5	8260	Admin		/ 8/23/2001
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	Admin		/ 8/23/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	Admin		/ 8/23/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	Admin		/ 8/23/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	Admin		/ 8/23/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	Admin		/ 8/23/2001
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	Admin		/ 8/23/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	Admin		/ 8/23/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	Admin		/ 8/23/2001
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	Admin		/ 8/23/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	Admin		/ 8/23/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	Admin		/ 8/23/2001
cis-1,2-Dichloroethene	30	ug/l	1.4	4.3	5	8260	Admin		/ 8/23/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	Admin		/ 8/23/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	Admin		/ 8/23/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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	Admin	/ 8/23/2001
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	Admin	/ 8/23/2001
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	Admin	/ 8/23/2001
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	Admin	/ 8/23/2001
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	Admin	/ 8/23/2001
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	Admin	/ 8/23/2001
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	Admin	/ 8/23/2001
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	Admin	/ 8/23/2001
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	Admin	/ 8/23/2001
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	Admin	/ 8/23/2001
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	Admin	/ 8/23/2001
Naphthalene	<3.8	ug/l	3.8	12	5		8260	Admin	/ 8/23/2001
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	Admin	/ 8/23/2001
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	Admin	/ 8/23/2001
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	Admin	/ 8/23/2001
Styrene	<1.3	ug/l	1.3	4.0	5		8260	Admin	/ 8/23/2001
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	Admin	/ 8/23/2001
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5		8260	Admin	/ 8/23/2001
Toluene	<1.5	ug/l	1.5	4.6	5		8260	Admin	/ 8/23/2001
trans-1,2-Dichloroethene	12	ug/l	1.3	4.0	5		8260	Admin	/ 8/23/2001
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	Admin	/ 8/23/2001
Trichloroethene	351	ug/l	1.7	5.4	5		8260	Admin	/ 8/23/2001
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	Admin	/ 8/23/2001
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	Admin	/ 8/23/2001

Sample Number: 25516

QC Prep Batch Number: 998175

Collection: 8/20/2001

Time: 11:40

Client ID: 010820WA

Sample Description: 07P

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	Admin	/ 8/23/2001
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	Admin	/ 8/23/2001
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	Admin	/ 8/23/2001
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	Admin	/ 8/23/2001
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	Admin	/ 8/23/2001
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	Admin	/ 8/23/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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	Admin	/ 8/23/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	Admin	/ 8/23/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	Admin	/ 8/23/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	Admin	/ 8/23/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	Admin	/ 8/23/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	Admin	/ 8/23/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	Admin	/ 8/23/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	Admin	/ 8/23/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 8/23/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	Admin	/ 8/23/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	Admin	/ 8/23/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	/ 8/23/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	Admin	/ 8/23/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	Admin	/ 8/23/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	Admin	/ 8/23/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	Admin	/ 8/23/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	/ 8/23/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001

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: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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	Admin	/ 8/23/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 8/23/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	/ 8/23/2001

Sample Number: 25517

QC Prep Batch Number: 998175

Collection: 8/20/2001

Time: 11:42

Client ID: 010820WA

Sample Description: 08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	Admin	/ 8/23/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	Admin	/ 8/23/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	Admin	/ 8/23/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	Admin	/ 8/23/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	Admin	/ 8/23/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	/ 8/23/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	Admin	/ 8/23/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	Admin	/ 8/23/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	Admin	/ 8/23/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	Admin	/ 8/23/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	Admin	/ 8/23/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	Admin	/ 8/23/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	Admin	/ 8/23/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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	Admin	/ 8/23/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	Admin	/ 8/23/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	Admin	/ 8/23/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	/ 8/23/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	Admin	/ 8/23/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	Admin	/ 8/23/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	Admin	/ 8/23/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	Admin	/ 8/23/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	/ 8/23/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 8/23/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	/ 8/23/2001

Sample Number: 25518

QC Prep Batch Number: 998175

Collection: 8/20/2001

Time: 11:44

Client ID: 010820WA

Sample Description: 09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	Admin	/ 8/23/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	Admin	/ 8/23/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	Admin	/ 8/23/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	Admin	/ 8/23/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	Admin	/ 8/23/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010615
DATE REPORTED: 05-Sep-01
DATE RECEIVED: 20-Aug-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	Admin	/ 8/23/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	Admin	/ 8/23/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	Admin	/ 8/23/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	Admin	/ 8/23/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	Admin	/ 8/23/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	Admin	/ 8/23/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	Admin	/ 8/23/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	Admin	/ 8/23/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 8/23/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	Admin	/ 8/23/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	Admin	/ 8/23/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	/ 8/23/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	Admin	/ 8/23/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	Admin	/ 8/23/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	Admin	/ 8/23/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	Admin	/ 8/23/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001

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 warranties, 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: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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	Admin	/ 8/23/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	/ 8/23/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 8/23/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	/ 8/23/2001

Sample Number: 25520

QC Prep Batch Number: 998175

Collection: 8/20/2001

Time: 10:00

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	Admin	/ 8/23/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	Admin	/ 8/23/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	Admin	/ 8/23/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	Admin	/ 8/23/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	Admin	/ 8/23/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	/ 8/23/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	Admin	/ 8/23/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	/ 8/23/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	Admin	/ 8/23/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	Admin	/ 8/23/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	Admin	/ 8/23/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	Admin	/ 8/23/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	Admin	/ 8/23/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010615
DATE REPORTED: 05-Sep-01
DATE RECEIVED: 20-Aug-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	Admin	/ 8/23/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	Admin	/ 8/23/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	Admin	/ 8/23/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 8/23/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	Admin	/ 8/23/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	Admin	/ 8/23/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	Admin	/ 8/23/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	/ 8/23/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 8/23/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	Admin	/ 8/23/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 8/23/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	Admin	/ 8/23/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 8/23/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 8/23/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	Admin	/ 8/23/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	Admin	/ 8/23/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 8/23/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 8/23/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	/ 8/23/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 8/23/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 8/23/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 8/23/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 8/23/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	/ 8/23/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010615
 DATE REPORTED: 05-Sep-01
 DATE RECEIVED: 20-Aug-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: James Chang Date: 9/5/01

James Chang, Ph.D., Lab Director

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

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

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

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

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

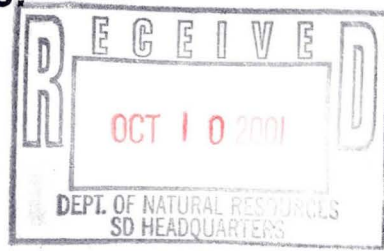
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550
 INVOICE NUMBER 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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: 25626		Matrix: GW		Collection: 8/27/2001		Time: 10:49				
Client ID: 010827				Sample Description: WA09R						
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	8/30/2001	998128	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	bb	8/28/2001	998123	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/10/2001	998228	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/28/2001	998123	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	8/28/2001	998123	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/10/2001	998230	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	8/31/2001	998137	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/28/2001	998123	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/10/2001	998229	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/28/2001	998123	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/10/2001	998231	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/28/2001	998123	

Sample Number: 25627		Matrix: GW		Collection: 8/27/2001		Time: 10:35				
Client ID: 010827				Sample Description: WA01P						
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	8/30/2001	998128	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	8/28/2001	998123	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	9/10/2001	998228	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	8/28/2001	998123	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	bb	8/28/2001	998123	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	tm	9/10/2001	998230	
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	bb	8/28/2001	998123	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	8/31/2001	998137	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	8/28/2001	998123	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	9/10/2001	998229	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	8/28/2001	998123	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	tm	9/10/2001	998231	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	8/28/2001	998123	



INORGANIC REPORT

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

WDNR# 241340550
 INVOICE NUMBER 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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	tm	9/5/2001	998232	<i>Preliminary Data</i>
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998171	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998172	
pH (water)	7.1	s.u.	#			150.1	ogtp	8/27/2001	998233	

Sample Number: 25628 Matrix: GW
 Client ID: 010827
 Collection: 8/27/2001 Time: 10:51
 Sample Description: WA02P

pH (water)	9.5	s.u.	#			150.1	ogtp	8/27/2001	998233	
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Sample Number: 25629 Matrix: GW
 Client ID: 010827
 Collection: 8/27/2001 Time: 10:53
 Sample Description: WA03P

pH (water)	12	s.u.	#			150.1	ogtp	8/27/2001	998233	
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Sample Number: 25630 Matrix: GW
 Client ID: 010827
 Collection: 8/27/2001 Time: 10:39
 Sample Description: WA05P

pH (water)	6.6	s.u.	#			150.1	ogtp	8/27/2001	998233	
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Sample Number: 25633 Matrix: GW
 Client ID: 010827
 Collection: 8/27/2001 Time: 10:45
 Sample Description: WA09P

Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	tm	9/5/2001	998232	<i>Preliminary Data</i>
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998171	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	8/31/2001	998172	
pH (water)	7.7	s.u.	#			150.1	ogtp	8/27/2001	998233	



INORGANIC REPORT

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WDNR# 241340550
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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: James Chang Date: 10/1/01
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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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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: 25627									
Client ID: 010827									
	QC Prep Batch Number:		998255						
						Collection: 8/27/2001			Time: 10:35
						Sample Description: WA01P			
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	qh		8/29/2001 / 8/24/2001
1,1,1-Trichloroethane	96	ug/l	1.6	4.9	5	8260	qh		8/29/2001 / 8/24/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		8/29/2001 / 8/24/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		8/29/2001 / 8/24/2001
1,1-Dichloroethane	16	ug/l	1.6	5.1	5	8260	qh		8/29/2001 / 8/24/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5	8260	qh		8/29/2001 / 8/24/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	qh		8/29/2001 / 8/24/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	qh		8/29/2001 / 8/24/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	qh		8/29/2001 / 8/24/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	qh		8/29/2001 / 8/24/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	qh		8/29/2001 / 8/24/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	qh		8/29/2001 / 8/24/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		8/29/2001 / 8/24/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	qh		8/29/2001 / 8/24/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	qh		8/29/2001 / 8/24/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		8/29/2001 / 8/24/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		8/29/2001 / 8/24/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	qh		8/29/2001 / 8/24/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	qh		8/29/2001 / 8/24/2001
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	qh		8/29/2001 / 8/24/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	qh		8/29/2001 / 8/24/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	qh		8/29/2001 / 8/24/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	qh		8/29/2001 / 8/24/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	qh		8/29/2001 / 8/24/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	qh		8/29/2001 / 8/24/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	qh		8/29/2001 / 8/24/2001
Acetone	< 7.8	ug/l	7.8	25	5	8260	qh		8/29/2001 / 8/24/2001
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	qh		8/29/2001 / 8/24/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	qh		8/29/2001 / 8/24/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	qh		8/29/2001 / 8/24/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	qh		8/29/2001 / 8/24/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	qh		8/29/2001 / 8/24/2001
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	qh		8/29/2001 / 8/24/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	qh		8/29/2001 / 8/24/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		8/29/2001 / 8/24/2001
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	qh		8/29/2001 / 8/24/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	qh		8/29/2001 / 8/24/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	qh		8/29/2001 / 8/24/2001
cis-1,2-Dichloroethene	31	ug/l	1.4	4.3	5	8260	qh		8/29/2001 / 8/24/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	qh		8/29/2001 / 8/24/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	qh		8/29/2001 / 8/24/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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	8/29/2001 / 8/24/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	8/29/2001 / 8/24/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/29/2001 / 8/24/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	8/29/2001 / 8/24/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/29/2001 / 8/24/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	8/29/2001 / 8/24/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	8/29/2001 / 8/24/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	8/29/2001 / 8/24/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/29/2001 / 8/24/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	8/29/2001 / 8/24/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	8/29/2001 / 8/24/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	8/29/2001 / 8/24/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/29/2001 / 8/24/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/29/2001 / 8/24/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	8/29/2001 / 8/24/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/29/2001 / 8/24/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	8/29/2001 / 8/24/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	8/29/2001 / 8/24/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	8/29/2001 / 8/24/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	8/29/2001 / 8/24/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	8/29/2001 / 8/24/2001
Trichloroethene	384	ug/l	1.7	5.4	5		8260	qh	8/29/2001 / 8/24/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	8/29/2001 / 8/24/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	8/29/2001 / 8/24/2001

Sample Number: 25631

QC Prep Batch Number: 998255

Collection: 8/27/2001

Time: 10:41

Client ID: 010827

Sample Description: WA07P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/29/2001 / 8/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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	8/29/2001 / 8/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/29/2001 / 8/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/29/2001 / 8/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/29/2001 / 8/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/29/2001 / 8/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/29/2001 / 8/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/29/2001 / 8/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/29/2001 / 8/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/29/2001 / 8/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/29/2001 / 8/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/29/2001 / 8/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/29/2001 / 8/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/29/2001 / 8/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001

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: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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	8/29/2001 / 8/24/2001
Trichloroethene	0.53	ug/l	0.34	1.1	1	J	8260	qh	8/29/2001 / 8/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/29/2001 / 8/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/29/2001 / 8/24/2001

Sample Number: 25632

QC Prep Batch Number: 998255

Collection: 8/27/2001

Time: 10:43

Client ID: 010827

Sample Description: WA08P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/29/2001 / 8/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/29/2001 / 8/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/29/2001 / 8/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/29/2001 / 8/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/29/2001 / 8/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/29/2001 / 8/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/29/2001 / 8/24/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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	8/29/2001 / 8/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/29/2001 / 8/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/29/2001 / 8/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/29/2001 / 8/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/29/2001 / 8/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/29/2001 / 8/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/29/2001 / 8/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/29/2001 / 8/24/2001

Sample Number: 25633

QC Prep Batch Number: 998255

Collection: 8/27/2001

Time: 10:45

Client ID: 010827

Sample Description: WA09P

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/29/2001 / 8/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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	8/29/2001 / 8/24/2001
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	8/29/2001 / 8/24/2001
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	8/29/2001 / 8/24/2001
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	8/29/2001 / 8/24/2001
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	8/29/2001 / 8/24/2001
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	8/29/2001 / 8/24/2001
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	8/29/2001 / 8/24/2001
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	8/29/2001 / 8/24/2001
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	8/29/2001 / 8/24/2001
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	8/29/2001 / 8/24/2001
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	8/29/2001 / 8/24/2001
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	8/29/2001 / 8/24/2001
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001

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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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	8/29/2001 / 8/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/29/2001 / 8/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/29/2001 / 8/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/29/2001 / 8/24/2001

Sample Number: 25634

QC Prep Batch Number: 998255

Collection: 8/27/2001

Time: 10:00

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	8/29/2001 / 8/24/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	8/29/2001 / 8/24/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	8/29/2001 / 8/24/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	8/29/2001 / 8/24/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	8/29/2001 / 8/24/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	8/29/2001 / 8/24/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	8/29/2001 / 8/24/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	8/29/2001 / 8/24/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
DATE REPORTED: 01-Oct-01
DATE RECEIVED: 27-Aug-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	8/29/2001 / 8/24/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	8/29/2001 / 8/24/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	8/29/2001 / 8/24/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/29/2001 / 8/24/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	8/29/2001 / 8/24/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	8/29/2001 / 8/24/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	8/29/2001 / 8/24/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	8/29/2001 / 8/24/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	8/29/2001 / 8/24/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	8/29/2001 / 8/24/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	8/29/2001 / 8/24/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	8/29/2001 / 8/24/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	8/29/2001 / 8/24/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	8/29/2001 / 8/24/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	8/29/2001 / 8/24/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	8/29/2001 / 8/24/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	8/29/2001 / 8/24/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	8/29/2001 / 8/24/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	8/29/2001 / 8/24/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	8/29/2001 / 8/24/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	8/29/2001 / 8/24/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010640
 DATE REPORTED: 01-Oct-01
 DATE RECEIVED: 27-Aug-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: James Chang Date: 10/1/01
 James Chang, Ph.D., Lab Director

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

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

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

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

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

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

DNR Analytical Detection Limit Guidance, April 1995.