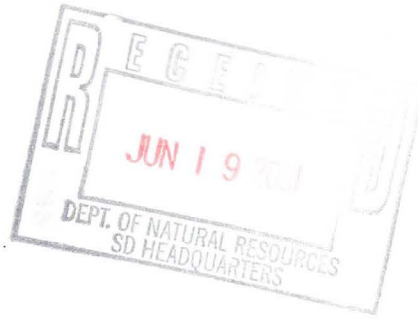


May 15, 2001

Mr. Paul Kozol
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711



Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

Attached is the Monthly Monitoring Report for April, 2001, for the above referenced project. Questions regarding these reports should be directed to James Chang of APL, Inc. at (414) 355-5800.

Thank you for your continued cooperation and assistance with this project.

Sincerely,

Dean Groleau, Plant Superintendent
APL, Inc.

cc: Steven Brossart, USACE
Steve Padovani, USEPA
James Chang, APL, Inc.
David Brodzinski, WDNR, Horicon
Craig Evans, USACE

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

ASHIPPUN, WISCONSIN 53003

Prepared for:

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

Prepared by:

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

May 15, 2001

1.0 Introduction

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

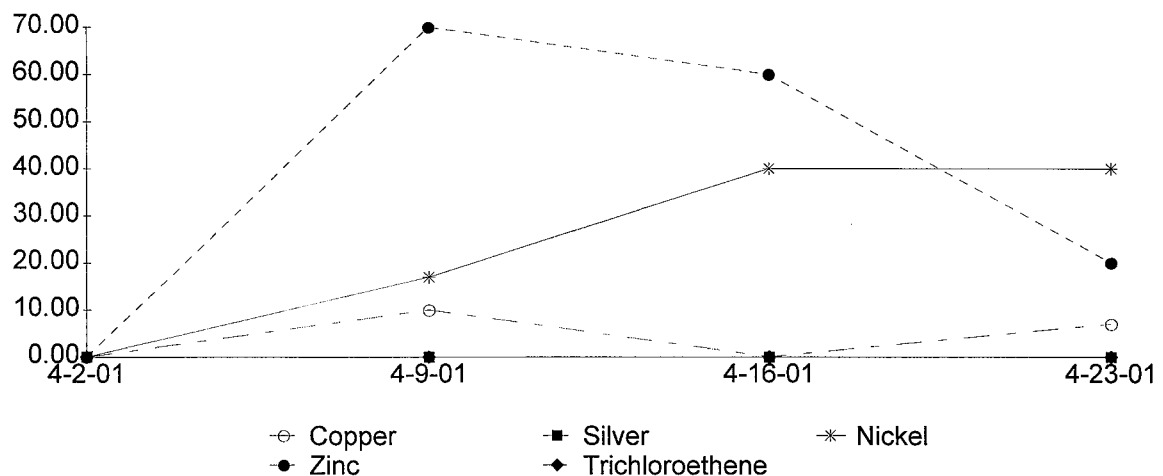
1.3 Effluent Monitoring

Weekly monitoring was conducted on April 2, 9, 16, and 23. The weekly samples for April were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in April showed exceedences of Nickel of the WDNR effluent discharge permit in the April 16 and 23 results.

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



1.4 Residential Well Monitoring

Another round of Residential Well sampling was conducted on April 12. The Residential Well sampling is conducted on a yearly basis by the WDNR. The results of the Residential Wells' analyses are enclosed with this report.

2.0 Plant Permit Exceedences

Paul Kozol, Project Manager from the WDNR, was notified about the exceedences of Thallium and Nickel from the April 16 sampling. The April 16 results of Thallium was 2 ug/l and of Nickel was 40 ug/l. The permit limit for Thallium is 0.4 ug/l and for Nickel is 20 ug/l. Mr. Kozol allowed the treatment plant to continue operating based on the history of very little Nickel or Thallium being detected in the effluent. The results from the rerunning of the Thallium resulted in a "Less Than the Level of Detection" but the Nickel result remained the same (40 ug/l).

The results of the April 23 weekly sampling round showed an exceedence in Nickel of the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)*. The April 23 Nickel result was 40 ug/l and the permit limit is 20 ug/l. A request to rerun the samples was made and Paul Kozol, Project Manager from the WDNR, was notified about the exceedences. After re-running the samples, the Nickel result stayed the same (40 ug/l). Mr. Kozol allowed the treatment plant to continue operating based on the history of very little Nickel being detected in the effluent.

The source of the Nickel is still being investigated. The amount of Nickel in the influent has also increased and it may be that a new pocket of Nickel is being brought into the treatment plant. Increased sampling has been conducted to try to pin point a possible process problem. The results have not been received by the time that this report was due.

3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down two times for a total of 13.75 hours in April, 2001. The shut downs were due to clean RMT-301 and FT-311 and from an Electrical Storm. Table 1 shows the summary of the plant down times for the month of April, 2001.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
4-3-01	0.5	Shut Down to Clean RMT-301 & FT-311
4-11/12-01	13.25	Shut Down from an Electrical Storm
TOTAL	13.75	

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

On April 3, 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. Then 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 0.5 hours. APL Inc., WDNR, and USACE were notified.

3.2 Shut Down Caused by an Electrical Storm

On April 12, the treatment plant was found shut down upon the arrival of the operator. After a quick inspection, it was determined that the shut down was caused by the failure of the Treatment System Feed Pump (TFP-110). TFP-110 was inspected and tested in the Manual mode and was found to be functional. A lockout reset was performed and TFP-110 was restarted in the Auto mode. The Extraction Well Pumps (EW-1/2/3/4/5) were shut down to lower the level in the Equalization Tank (EQT-100) and the Clarifier (C-400) was pumped to the Sludge Holding Tank (ST-820) until the pH in the Rapid Mix Tank (RMT-301) returned to normal. A more thorough inspection was made and no other problems were found. TFP-110 had shut down at 3:35 P.M. on April 11 and was restarted and 4:50 A.M. on April 12. On April 11, there was a huge electrical storm in the area. The lights in the treatment plant were flickering throughout the day and it is believed that the storm caused TFP-110 to shut down. Total down time was 13.25 hours. APL Inc., WDNR, and USACE were notified.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 4 times during the month of April, 2001. It was filled and emptied on April 5, 10, 20, and 26. The dewatered sludge is sampled 1 time per year after the first opening of the press into the new hopper. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sampling of the sludge occurred on January 22. A new hopper was set up on March 30, 2001. The first filter press load of dewatered sludge that was added to the new hopper occurred on April 5. The dewatered sludge hopper removal date is July 3. There are 4 filter press loads of dewatered sludge in the hopper at the end of April, 2001.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on April 2, 9, 16, and 23 of 2001. Another round of Residential Sampling was conducted by Paul Kozol, WDNR. The laboratory results of these samples showed that Nickel exceeded the limits listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* during the April 16 and 23 samples. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of April, 2001, the plant was shut down two times for a total of 13.75 hours. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by May 15, 2001.

The Filter Press was filled and emptied 4 times during the month of April, 2001. A new hopper was set up on March 30. The first emptying of the Filter Press occurred on April 5. The hopper has 4 Filter Press fillings in it at the end of April, 2001.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date: 4-2-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.5	N/A	N/A	7.5	Monitor	
TSS	2.5	NT	NT	NT	3	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	110	NT	NT	NT	10	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor	
Recoverable		NT					
Chromium +6	<4.2	NT	NT	NT	<4.2/<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	<6	Monitor	
Iron	700	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	20	NT	NT	NT	<11	20	
Selenium	7.7	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/<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6/<6	Monitor	
1,1-Dichloroethane	14	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	<1.7	NT	<0.34	<0.34	<0.34/<0.34	0.7	
1,2-Dichloroethene Cis	30	NT	<0.27	<0.27	<0.27/<0.27	7	
1,2-Dichloroethene Trans	<1.3	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	101	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	434	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	13	NT	NT	NT	8.7	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	1.2	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	<1.25	Monitor	mg/l

NT = Not Tested.

N/A = Not Applicable at this time.

ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

Second Result "Effluent Grab Sample" is an In-House QA Check.

OCONOMOWOC GROUNDWATER TREATMENT PLANT

Weekly Sampling Results

Date: 4-9-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.1	11.4	N/A	N/A	7.4	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	<7	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor	
Recoverable		NT					
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	6	NT	NT	NT	10	Monitor	
Iron	1500	NT	NT	NT	120	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	130	NT	NT	NT	<6	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	50	NT	NT	NT	17	20	
Selenium	<4.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	1.4	NT	NT	NT	<1.3	0.4	
Zinc	40	NT	NT	NT	70	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	19	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	35	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	122	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	449	NT	1.1	<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: 4-16-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.3	11.5	N/A	N/A	7.6	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	130	NT	NT	NT	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	9	NT	NT	NT	<8	10	
Copper	9	NT	NT	NT	<6	Monitor	
Iron	1900	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	180	NT	NT	NT	<6	Monitor	
Mercury	<0.005	NT	NT	NT	<0.005	0.2	
Nickel	50	NT	NT	NT	40	20	
Selenium	6.8	NT	NT	NT	<4.8	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	50	NT	NT	NT	60	Monitor	
Cyanide	<6	NT	NT	NT	<6	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	20	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	36	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	115	NT	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5	
TCE	448	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: 4-23-01

Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	7.4	11.4	N/A	N/A	7.6	Monitor
TSS	NT	NT	NT	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	120	NT	NT	NT	20	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total	<0.4	NT	NT	NT	<0.4	Monitor
Recoverable		NT				
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	<6	NT	NT	NT	7	Monitor
Iron	970	NT	NT	NT	120	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	170	NT	NT	NT	<6	Monitor
Mercury	<0.005	NT	NT	NT	<0.005	0.2
Nickel	40	NT	NT	NT	40	20
Selenium	<4.8	NT	NT	NT	<4.8	10
Silver	5	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	60	NT	NT	NT	20	Monitor
Cyanide	<6	NT	NT	NT	<6	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	18	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	11	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	17	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	89	NT	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<2.2	NT	<0.44	<0.44	<0.44	0.5
TCE	408	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
Phosphorus Total	NT	NT	NT	NT	NT	Monitor
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor

mg/l

mg/l

mg/l

mg/l

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: April DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	7,561,641.00	41,017.00	0.041	
2	7,602,658.00	35,126.00	0.035	
3	7,637,784.00	33,800.00	0.034	
4	7,671,584.00	33,623.00	0.034	
5	7,705,207.00	33,612.00	0.034	
6	7,738,819.00	22,549.00	0.023	
7	7,761,368.00	35,383.00	0.035	
8	7,796,751.00	43,685.00	0.044	
9	7,840,436.00	33,161.00	0.033	
10	7,873,597.00	32,555.00	0.033	
11	7,906,152.00	15,730.00	0.016	SHUT DOWN
12	7,921,882.00	27,204.00	0.027	SHUT DOWN
13	7,949,086.00	27,006.00	0.027	
14	7,976,092.00	36,860.00	0.037	
15	8,012,952.00	39,865.00	0.040	
16	8,052,817.00	32,527.00	0.033	SHUT DOWN
17	8,085,344.00	33,763.00	0.034	
18	8,119,107.00	33,558.00	0.034	
19	8,152,665.00	29,011.00	0.029	
20	8,181,676.00	26,790.00	0.027	
21	8,208,466.00	37,439.00	0.037	
22	8,245,905.00	43,394.00	0.043	
23	8,289,299.00	27,756.00	0.028	
24	8,317,055.00	37,441.00	0.037	SHUT DOWN
25	8,354,496.00	36,636.00	0.037	
26	8,391,132.00	34,297.00	0.034	
27	8,425,429.00	25,496.00	0.025	
28	8,450,925.00	40,493.00	0.040	
29	8,491,418.00	42,759.00	0.043	
30	8,534,177.00	34,353.00	0.034	
May 01	8,568,530.00			
		TOTAL	1.008	
		AVERAGE	0.034	

FLOW FROM EXTRACTION WELLS

YEAR: 2001			
MONTH: April DAY	FIT-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	1,966,778.20	41,175.80	0.041
2	2,007,954.00	35,191.40	0.035
3	2,043,145.40	33,935.50	0.034
4	2,077,080.90	33,723.50	0.034
5	2,110,804.40	33,724.50	0.034
6	2,144,528.90	21,440.50	0.021
7	2,165,969.40	36,663.90	0.037
8	2,202,633.30	43,794.60	0.044
9	2,246,427.90	33,349.00	0.033
10	2,279,776.90	32,644.20	0.033
11	2,312,421.10	15,785.70	0.016
12	2,328,206.80	27,420.30	0.027
13	2,355,627.10	25,538.80	0.026
14	2,381,165.90	38,347.90	0.038
15	2,419,513.80	40,028.40	0.040
16	2,459,542.20	32,511.30	0.033
17	2,492,053.50	34,002.50	0.034
18	2,526,056.00	33,637.70	0.034
19	2,559,693.70	29,054.00	0.029
20	2,588,747.70	26,834.70	0.027
21	2,615,582.40	37,569.80	0.038
22	2,653,152.20	43,746.40	0.044
23	2,696,898.60	27,679.60	0.028
24	2,724,578.20	37,590.90	0.038
25	2,762,169.10	36,732.70	0.037
26	2,798,901.80	34,358.80	0.034
27	2,833,260.60	23,593.90	0.024
28	2,856,854.50	42,619.30	0.043
29	2,899,473.80	43,191.80	0.043
30	2,942,665.60	34,450.80	0.034
May 01	2,977,116.40		

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TOTAL 1.013
AVERAGE 0.034

FLOW FROM EQT-100

YEAR: 2001			
MONTH: April DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	4,859,697.00	52,648.00	0.053
2	4,912,345.00	44,189.00	0.044
3	4,956,534.00	45,893.00	0.046
4	5,002,427.00	43,690.00	0.044
5	5,046,117.00	43,512.00	0.044
6	5,089,629.00	29,007.00	0.029
7	5,118,636.00	46,354.00	0.046
8	5,164,990.00	57,125.00	0.057
9	5,222,115.00	43,040.00	0.043
10	5,265,155.00	42,112.00	0.042
11	5,307,267.00	19,603.00	0.020
12	5,326,870.00	35,966.00	0.036
13	5,362,836.00	35,061.00	0.035
14	5,397,897.00	48,547.00	0.049
15	5,446,444.00	52,941.00	0.053
16	5,499,385.00	40,096.00	0.040
17	5,539,481.00	43,680.00	0.044
18	5,583,161.00	44,086.00	0.044
19	5,627,247.00	37,358.00	0.037
20	5,664,605.00	33,791.00	0.034
21	5,698,396.00	47,174.00	0.047
22	5,745,570.00	55,926.00	0.056
23	5,801,496.00	41,141.00	0.041
24	5,842,637.00	49,436.00	0.049
25	5,892,073.00	45,910.00	0.046
26	5,937,983.00	43,124.00	0.043
27	5,981,107.00	32,151.00	0.032
28	6,013,258.00	51,804.00	0.052
29	6,065,062.00	57,673.00	0.058
30	6,122,735.00	45,467.00	0.045
May 01	6,168,202.00		

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TOTAL 1.309
AVERAGE 0.044

FLOW FROM EQT-100

YEAR: 2001			
MONTH: April DAY	FIT-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	5,114,432.90	52,842.70	0.053
2	5,167,275.60	44,122.20	0.044
3	5,211,397.80	45,964.00	0.046
4	5,257,361.80	43,944.40	0.044
5	5,301,306.20	43,678.90	0.044
6	5,344,985.10	27,415.00	0.027
7	5,372,400.10	47,977.10	0.048
8	5,420,377.20	57,374.70	0.057
9	5,477,751.90	43,085.90	0.043
10	5,520,837.80	42,254.30	0.042
11	5,563,092.10	19,733.10	0.020
12	5,582,825.20	35,862.40	0.036
13	5,618,687.60	33,414.20	0.033
14	5,652,101.80	50,444.80	0.050
15	5,702,546.60	53,093.00	0.053
16	5,755,639.60	40,003.20	0.040
17	5,795,642.80	43,984.40	0.044
18	5,839,627.20	44,184.00	0.044
19	5,883,811.20	37,482.60	0.037
20	5,921,293.80	33,829.40	0.034
21	5,955,123.20	47,272.00	0.047
22	6,002,395.20	56,264.10	0.056
23	6,058,659.30	41,157.40	0.041
24	6,099,816.70	49,572.70	0.050
25	6,149,389.40	45,980.30	0.046
26	6,195,369.70	43,221.20	0.043
27	6,238,590.90	29,596.90	0.030
28	6,268,187.80	54,460.50	0.054
29	6,322,648.30	58,029.00	0.058
30	6,380,677.30	45,428.60	0.045
May 01	6,426,105.90		

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TOTAL 1.309
AVERAGE 0.044

EFFLUENT FLOW FROM PLANT

YEAR: 2001			
MONTH: April DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD
1	9,981,114.00	38788.00	0.039
2	10,019,902.00	36093.21	0.036
3	10,055,995.21	36465.97	0.036
4	10,092,461.18	34440.92	0.034
5	10,126,902.10	33659.60	0.034
6	10,160,561.70	24340.20	0.024
7	10,184,901.90	34243.50	0.034
8	10,219,145.40	44868.60	0.045
9	10,264,014.00	34200.40	0.034
10	10,298,214.40	33467.30	0.033
11	10,331,681.70	11690.60	0.012
12	10,343,372.30	27789.00	0.028
13	10,371,161.30	28281.60	0.028
14	10,399,442.90	39482.80	0.039
15	10,438,925.70	38479.90	0.038
16	10,477,405.60	33651.90	0.034
17	10,511,057.50	33789.50	0.034
18	10,544,847.00	35418.60	0.035
19	10,580,265.60	29449.60	0.029
20	10,609,715.20	28752.30	0.029
21	10,638,467.50	37527.90	0.038
22	10,675,995.40	41097.40	0.041
23	10,717,092.80	33185.50	0.033
24	10,750,278.30	38401.10	0.038
25	10,788,679.40	36288.40	0.036
26	10,824,967.80	35611.70	0.036
27	10,860,579.50	24408.50	0.024
28	10,884,988.00	40754.40	0.041
29	10,925,742.40	45996.50	0.046
30	10,971,738.90	36,035.10	0.036
May 01	11,007,774.00		
TOTAL			1.024
AVERAGE			0.034

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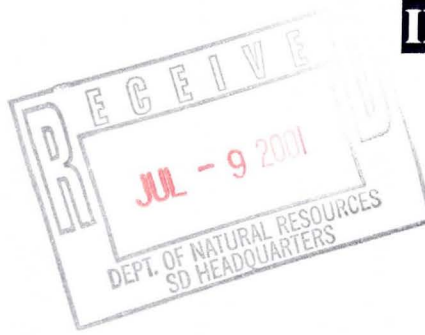
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MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW02DP	MW03SP	MW05P	MW05DP	MW06P	MW11BP
July 31, 1998	6.64	DRY	3.74	4.26	8.00	COVERED
Aug. 31, 1998	7.70	DRY	DRY	5.34	8.70	COVERED
Sept. 17, 1998	7.50	DRY	DRY	5.00	8.66	COVERED
Oct. 7, 1998	6.50	DRY	3.75	4.10	8.34	COVERED
Nov. 23, 1998	6.66	DRY	DRY	4.37	8.17	COVERED
Dec. 15, 1998	5.90	DRY	3.40	3.75	8.20	COVERED
Jan. 18, 1999	6.60	DRY	3.75	4.72	8.25	COVERED
Feb. 3, 1999	5.36	6.10	3.15	2.90	7.15	COVERED
Mar. 3-4, 1999	5.51	DRY	3.20	3.04	7.40	COVERED
Apr. 15, 1999	5.30	6.20	3.25	4.40	6.92	COVERED
May 10, 1999	5.50	6.35	3.35	3.40	7.05	COVERED
June 18, 1999	4.95	6.05	3.00	3.22	6.81	COVERED
July 13, 1999	6.30	DRY	3.80	4.05	7.90	COVERED
August 06, 1999	6.37	DRY	3.58	4.00	7.65	COVERED
Sept. 15, 20, 1999	7.68	DRY	DRY	5.60	DRY	COVERED
October 06, 1999	6.60	DRY	3.84	4.14	DRY	COVERED
November 9, 1999	7.78	DRY	DRY	5.48	DRY	COVERED
December 6-7, 1999	6.70	DRY	DRY	4.50	DRY	COVERED
January 7, 2000	7.50	DRY	DRY	5.10	DRY	COVERED
February 7, 2000	7.60	DRY	DRY	5.25	DRY	COVERED
March 8, 2000	6.81	6.40	4.30	4.24	6.82	COVERED
April 6, 2000	6.95	6.16	4.42	4.87	6.42	COVERED
May 3, 2000	6.63	DRY	3.98	4.42	DRY	COVERED
June 1, 2000	4.40	3.14	4.30	2.36	6.26	COVERED
July 3, 2000	4.97	4.81	2.84	2.85	DRY	COVERED
August 3, 2000	6.94	DRY	4.85	4.46	DRY	COVERED
September 6-7, 2000	6.92	DRY	4.29	4.75	DRY	COVERED
October 4, 2000	6.57	DRY	3.89	4.29	DRY	COVERED
November 2, 2000	7.16	DRY	DRY	4.99	DRY	COVERED
December 4, 7, & 11, 2000	6.81	DRY	DRY	4.59	DRY	COVERED
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

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL		FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
July 31, 1998	4.75	3.78	5.75	4.80	10.49	UNACCESS.
Aug. 31, 1998	5.64	4.48	6.38	4.80	11.64	UNACCESS.
Sept. 17, 1998	5.35	3.20	6.31	4.86	11.10	UNACCESS.
Oct. 7, 1998	4.75	3.65	5.79	4.75	10.60	UNACCESS.
Nov. 23, 1998	4.73	3.70	5.82	4.56	10.46	UNACCESS.
Dec. 15, 1998	4.10	3.00	5.85	4.70	9.95	UNACCESS.
Jan. 18, 1999	4.70	3.70	5.70	5.00	10.50	UNACCESS.
Feb. 3, 1999	3.50	2.48	4.85	3.00	9.27	UNACCESS.
Mar. 3-4, & 16, 1999	3.50	2.70	5.15	3.40	9.20	2.95
Apr. 15, 1999	3.61	3.20	4.84	2.60	9.25	2.63
May 10, 1999	3.85	3.05	4.95	2.80	9.45	3.80
June 18, 1999	3.71	3.75	4.87	2.49	9.29	2.81
July 13-14, 1999	4.50	3.65	5.74	3.82	10.19	3.05
August 06, 1999	4.62	3.59	5.48	3.26	10.17	3.32
Sept. 13, 15, 20, 23, '99	6.00	4.90	6.51	4.80	10.95	4.17
October 06, 1999	4.80	3.80	6.00	4.56	10.70	3.40
November 9, 1999	5.80	4.72	6.52	5.63	11.50	5.64
December 6-7, 1999	4.41	3.50	6.17	5.30	10.28	3.10
January 7, 2000	4.40	5.45	6.35	5.60	11.00	4.60
February 7, 2000	5.70	4.65	6.65	5.90	11.50	4.00
March 8-9, 2000	4.52	3.42	5.29	4.24	10.32	2.61
April 6, 2000	4.51	3.95	5.91	4.79	10.15	3.31
May 3, 2000	4.75	3.62	5.76	4.19	10.51	3.15
June 6-7, 2000	3.27	2.20	4.23	1.52	8.98	2.51
July 3, 2000	4.30	2.09	2.10	2.16	8.85	2.50
August 3, 2000	5.03	3.98	5.93	3.41	10.89	4.41
September 6-7, 2000	5.09	3.95	6.01	4.51	11.26	3.39
October 4-5, 2000	4.67	3.60	5.65	4.09	10.43	3.08
November 2, 2000	5.20	4.13	6.07	4.94	11.03	3.42
December 7 & 11, 2000	4.81	3.77	5.85	4.69	10.63	3.25
January 5, 2001	4.86	3.69	5.89	5.41	10.65	3.03
February 5, 2001	4.65	3.54	5.55	4.52	10.47	2.45
March 1, 7, & 8, 2001	3.81	2.74	4.84	2.51	9.26	2.82
April 02, 2001	3.95	2.86	4.87	2.72	9.57	2.55



INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER 20010178
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 02-Apr-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: 23389		Matrix: GW						Collection: 4/2/2001	Time: 08:45	
Client ID: 010402WA01P		Sample Description:								
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/4/2001	996768	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	bb	4/4/2001	996769	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	jz	4/2/2001	996754	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	4/4/2001	996769	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	4/4/2001	996769	
Iron - ICAP	0.7	mg/l	RJ	0.081	0.26	200.7	bb	4/4/2001	996769	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	mw	3/1/1904	996763	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	bb	4/4/2001	996769	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	4/12/2001	996853	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	4/4/2001	996769	
Selenium - Furnace AA	7.7	ug/l	J RJ	4.8	15	270.2	jz	4/4/2001	996771	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7		4/4/2001		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	3/5/2001	996774	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	4/4/2001	996769	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	ta	4/4/2001	996839	
COD. Total	13	mg/l		3.4	11	410.4-CT	ta	4/6/2001	996840	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	5/1/2001	996945	
Cyanide, Total	0.01	mg/l	J RJ	0.006	0.02	335.2		5/1/2001	996949	
pH (water)	7.1	s.u.	#			150.1	ogtp	4/2/2001	996750	
Solids, Total Suspended	2.5	mg/l	J	1	3.2	SM 2540D	mw	5/1/1904	996772	

Sample Number: 23390		Matrix: GW						Collection: 4/2/2001	Time: 08:55	
Client ID: 010402WA09R		Sample Description:								
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/4/2001	996768	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	bb	4/4/2001	996769	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	jz	4/2/2001	996754	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	4/4/2001	996769	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	4/4/2001	996769	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	4/4/2001	996769	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	mw	3/1/1904	996763	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	4/4/2001	996769	



INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER 20010178
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 02-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	4/12/2001	996853	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	4/4/2001	996769	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	4/4/2001	996771	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7		4/4/2001		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	3/5/2001	996774	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	bb	4/4/2001	996769	
COD. Total	8.7	mg/l	J	3.4	11	410.4-CT	ta	4/6/2001	996840	
Nitrate + Nitrite Nitrogen	1.2	mg/l		0.03	0.10	353.3	tm	4/6/2001	996797	
Nitrogen, Ammonia	<1.25	mg/l		1.25	4.0	350.1	ta	4/6/2001	996843	
Phosphorus, Total	<0.1	mg/l		0.1	0.32	365.2	ta	4/6/2001	996841	
Solids, Total Suspended	3	mg/l	J	1	3.2	SM 2540D	mw	5/1/1904	996772	

Sample Number: 23391

Matrix: GW

Client ID: 010402WA02P

Collection: 4/2/2001

Time: 08:58

Sample Description:

pH (water)

9.7 s.u. #

150.1

ogtp 4/2/2001 996750

Sample Number: 23392

Matrix: GW

Client ID: 010402WA03P

Collection: 4/2/2001

Time: 09:00

Sample Description:

pH (water)

12 s.u. #

150.1

ogtp 4/2/2001 996750

Sample Number: 23393

Matrix: GW

Client ID: 010402WA05P

Collection: 4/2/2001

Time: 08:48

Sample Description:

pH (water)

6.9 s.u. #

150.1

ogtp 4/2/2001 996750

Sample Number: 23396

Matrix: GW

Client ID: 010402WA09P

Collection: 4/2/2001

Time: 09:05

Sample Description:

Chromium, Hexavalent

<0.0042 mg/l

0.004 0.01 SM 3500D

ta 4/4/2001 996839

Cyanide, Amenable

<0.006 mg/l

RJ 0.006 0.02 335.2

bb 5/1/2001 996945

Cyanide, Total

<0.006 mg/l

RJ 0.006 0.02 335.2

5/1/2001 996949

pH (water)

7.5 s.u. #

150.1

ogtp 4/2/2001 996750

Sample Number: 23398

Matrix: GW

Client ID: 010402WA09Q

Collection: 4/2/2001

Time: 09:05

Sample Description:



INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER 20010178
DATE REPORTED: 25-Jun-01
DATE RECEIVED: 02-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	ta	4/4/2001	996839	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	5/1/2001	996945	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2		5/1/2001	996949	
pH (water)	7.5	s.u.	#			150.1	ogtp	4/2/2001	996750	

Approved By: James Chang Date: 6/25/01
James Chang, Ph.D., Lab Director

RJ Result expressed as Total.

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B "J" = Results between LOD and LOQ "#" = no LOD or LOQ required.
LOQ = 10 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
LOD = 3.143 (S) x Dilution Factor, where "S" is the Standard Deviation from the MDL Study
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.
DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
 DATE REPORTED: 18-Apr-01
 DATE RECEIVED: 02-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 23389									
Client ID: 010402WA0IP									
QC Prep Batch Number: 996805									
Collection: 2001-4-2									
Time: 08:45									
Sample Description:									
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	qh		2001-4-3 /
1,1,1-Trichloroethane	101	ug/l	1.6	4.9	5	8260	qh		2001-4-3 /
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		2001-4-3 /
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		2001-4-3 /
1,1-Dichloroethane	14	ug/l	1.6	5.1	5	8260	qh		2001-4-3 /
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2001-4-3 /
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	qh		2001-4-3 /
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	qh		2001-4-3 /
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	qh		2001-4-3 /
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	qh		2001-4-3 /
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	qh		2001-4-3 /
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	qh		2001-4-3 /
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2001-4-3 /
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	qh		2001-4-3 /
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	qh		2001-4-3 /
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2001-4-3 /
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2001-4-3 /
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	qh		2001-4-3 /
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	qh		2001-4-3 /
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	qh		2001-4-3 /
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	qh		2001-4-3 /
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	qh		2001-4-3 /
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	qh		2001-4-3 /
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	qh		2001-4-3 /
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2001-4-3 /
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	qh		2001-4-3 /
Acetone	< 7.8	ug/l	7.8	25	5	8260	qh		2001-4-3 /
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	qh		2001-4-3 /
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	qh		2001-4-3 /
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	qh		2001-4-3 /
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	qh		2001-4-3 /
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	qh		2001-4-3 /
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	qh		2001-4-3 /
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	qh		2001-4-3 /
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2001-4-3 /
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	qh		2001-4-3 /
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	qh		2001-4-3 /
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	qh		2001-4-3 /
cis-1,2-Dichloroethene	30	ug/l	1.4	4.3	5	8260	qh		2001-4-3 /
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	qh		2001-4-3 /
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	qh		2001-4-3 /



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
 DATE REPORTED: 18-Apr-01
 DATE RECEIVED: 02-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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		2001-4-3 /
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5	8260	qh		2001-4-3 /
Ethylbenzene	<1.3	ug/l	1.3	4.0	5	8260	qh		2001-4-3 /
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5	8260	qh		2001-4-3 /
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5	8260	qh		2001-4-3 /
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5	8260	qh		2001-4-3 /
m&p-xylene	<2.7	ug/l	2.7	8.4	5	8260	qh		2001-4-3 /
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5	8260	qh		2001-4-3 /
Methylene chloride	<1.5	ug/l	1.5	4.8	5	8260	qh		2001-4-3 /
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5	8260	qh		2001-4-3 /
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5	8260	qh		2001-4-3 /
Naphthalene	<3.8	ug/l	3.8	12	5	8260	qh		2001-4-3 /
o-xylene	<1.3	ug/l	1.3	4.0	5	8260	qh		2001-4-3 /
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5	8260	qh		2001-4-3 /
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5	8260	qh		2001-4-3 /
Styrene	<1.3	ug/l	1.3	4.0	5	8260	qh		2001-4-3 /
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5	8260	qh		2001-4-3 /
Tetrachloroethene	<1.6	ug/l	1.6	4.9	5	8260	qh		2001-4-3 /
Toluene	<1.5	ug/l	1.5	4.6	5	8260	qh		2001-4-3 /
trans-1,2-Dichloroethene	<1.3	ug/l	1.3	4.0	5	8260	qh		2001-4-3 /
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5	8260	qh		2001-4-3 /
Trichloroethene	434	ug/l	1.7	5.4	5	8260	qh		2001-4-3 /
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5	8260	qh		2001-4-3 /
Vinyl chloride	<1.0	ug/l	1.0	3.2	5	8260	qh		2001-4-3 /

Sample Number: 23394

QC Prep Batch Number: 996805

Collection: 2001-4-2

Time: 08:50

Client ID: 010402WA07P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
DATE REPORTED: 18-Apr-01
DATE RECEIVED: 02-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	2001-4-3 / 2001-4-4
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-3 / 2001-4-4
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	2001-4-3 / 2001-4-4
1,2-Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	qh	2001-4-3 / 2001-4-4
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	2001-4-3 / 2001-4-4
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	2001-4-3 / 2001-4-4
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-3 / 2001-4-4
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	2001-4-3 / 2001-4-4
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	2001-4-3 / 2001-4-4
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	qh	2001-4-3 / 2001-4-4
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-3 / 2001-4-4
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	qh	2001-4-3 / 2001-4-4
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	qh	2001-4-3 / 2001-4-4
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	qh	2001-4-3 / 2001-4-4
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	qh	2001-4-3 / 2001-4-4
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	qh	2001-4-3 / 2001-4-4
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	qh	2001-4-3 / 2001-4-4
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	qh	2001-4-3 / 2001-4-4
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	qh	2001-4-3 / 2001-4-4
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	2001-4-3 / 2001-4-4
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	qh	2001-4-3 / 2001-4-4
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	2001-4-3 / 2001-4-4
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
 DATE REPORTED: 18-Apr-01
 DATE RECEIVED: 02-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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		2001-4-3 / 2001-4-4
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-3 / 2001-4-4
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-3 / 2001-4-4
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		2001-4-3 / 2001-4-4

Sample Number: 23395

QC Prep Batch Number: 996805

Collection: 2001-4-2

Time: 08:52

Client ID: 010402WA08P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
 DATE REPORTED: 18-Apr-01
 DATE RECEIVED: 02-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	2001-4-3 / 2001-4-4
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2001-4-3 / 2001-4-4
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2001-4-3 / 2001-4-4
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2001-4-3 / 2001-4-4
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2001-4-3 / 2001-4-4
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2001-4-3 / 2001-4-4
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2001-4-3 / 2001-4-4
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2001-4-3 / 2001-4-4
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2001-4-3 / 2001-4-4
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2001-4-3 / 2001-4-4
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-3 / 2001-4-4
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2001-4-3 / 2001-4-4
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2001-4-3 / 2001-4-4

Sample Number: 23396

QC Prep Batch Number: 996805

Collection: 2001-4-2

Time: 09:05

Client ID: 010402WA09P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
DATE REPORTED: 18-Apr-01
DATE RECEIVED: 02-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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		2001-4-3 / 2001-4-4
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-3 / 2001-4-4
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	qh		2001-4-3 / 2001-4-4
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	qh		2001-4-3 / 2001-4-4
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-3 / 2001-4-4
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-3 / 2001-4-4
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-3 / 2001-4-4
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		2001-4-3 / 2001-4-4
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		2001-4-3 / 2001-4-4
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-3 / 2001-4-4
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		2001-4-3 / 2001-4-4
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		2001-4-3 / 2001-4-4
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-3 / 2001-4-4
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-3 / 2001-4-4
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		2001-4-3 / 2001-4-4
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		2001-4-3 / 2001-4-4
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-3 / 2001-4-4
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-3 / 2001-4-4
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		2001-4-3 / 2001-4-4
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		2001-4-3 / 2001-4-4
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-3 / 2001-4-4
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		2001-4-3 / 2001-4-4
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-3 / 2001-4-4
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-3 / 2001-4-4
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		2001-4-3 / 2001-4-4
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-3 / 2001-4-4
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		2001-4-3 / 2001-4-4
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-3 / 2001-4-4
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		2001-4-3 / 2001-4-4
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		2001-4-3 / 2001-4-4
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		2001-4-3 / 2001-4-4
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-3 / 2001-4-4
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-3 / 2001-4-4
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		2001-4-3 / 2001-4-4
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-3 / 2001-4-4
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		2001-4-3 / 2001-4-4
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		2001-4-3 / 2001-4-4
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-3 / 2001-4-4
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-3 / 2001-4-4
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		2001-4-3 / 2001-4-4
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		2001-4-3 / 2001-4-4
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		2001-4-3 / 2001-4-4
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-3 / 2001-4-4
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-3 / 2001-4-4
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-3 / 2001-4-4

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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Milwaukee, WI 53223

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
DATE REPORTED: 18-Apr-01
DATE RECEIVED: 02-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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	2001-4-3 / 2001-4-4
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-3 / 2001-4-4
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2001-4-3 / 2001-4-4
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2001-4-3 / 2001-4-4

Sample Number: 23397

QC Prep Batch Number: 996805

Collection: 2001-4-2

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
 DATE REPORTED: 18-Apr-01
 DATE RECEIVED: 02-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	2001-4-3 / 2001-4-4
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2001-4-3 / 2001-4-4
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-3 / 2001-4-4
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2001-4-3 / 2001-4-4
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2001-4-3 / 2001-4-4
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2001-4-3 / 2001-4-4
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2001-4-3 / 2001-4-4
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2001-4-3 / 2001-4-4
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-3 / 2001-4-4
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2001-4-3 / 2001-4-4
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2001-4-3 / 2001-4-4
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2001-4-3 / 2001-4-4
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-3 / 2001-4-4
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2001-4-3 / 2001-4-4
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2001-4-3 / 2001-4-4
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2001-4-3 / 2001-4-4
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-3 / 2001-4-4
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2001-4-3 / 2001-4-4
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2001-4-3 / 2001-4-4

Sample Number: 23398

QC Prep Batch Number: 996805

Collection: 2001-4-2

Time: 09:05

Client ID: 010402WA09Q

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2001-4-3 / 2001-4-4
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2001-4-3 / 2001-4-4
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2001-4-3 / 2001-4-4
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2001-4-3 / 2001-4-4
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010178
DATE REPORTED: 18-Apr-01
DATE RECEIVED: 02-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

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

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: 20010178
 DATE REPORTED: 18-Apr-01
 DATE RECEIVED: 02-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2001-4-3 / 2001-4-4
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2001-4-3 / 2001-4-4
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-3 / 2001-4-4
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-3 / 2001-4-4
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-3 / 2001-4-4
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-3 / 2001-4-4
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-3 / 2001-4-4
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2001-4-3 / 2001-4-4
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2001-4-3 / 2001-4-4

Approved By: James Chang Date: 4/18/01
 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 20010196
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 09-Apr-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: 23471		Matrix: GW						Collection: 4/9/2001	Time: 09:30	
Client ID: 010409WA01P								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/18/2001	996854	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	bb	4/19/2001	996859	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	4/17/2001	996848	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	4/19/2001	996859	
Copper - ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	bb	4/19/2001	996859	
Iron - ICAP	1.5	mg/l	RJ	0.081	0.26	200.7	bb	4/19/2001	996859	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	4/17/2001	996847	
Manganese - ICAP	0.13	mg/l	RJ	0.006	0.02	200.7		4/17/2001		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	4/12/2001	996853	
Nickel - ICAP	0.05	mg/l	RJ	0.011	0.03	200.7	bb	4/19/2001	996859	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	4/19/2001	996863	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	4/19/2001	996859	
Thallium - Furnace AA	1.4	ug/l	J RJ	1.3	4.1	279.2	jz	4/18/2001	996856	
Zinc - ICAP	0.04	mg/l	J RJ	0.014	0.04	200.7	bb	4/19/2001	996859	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	ta	4/10/2001	996893	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	5/1/2001	996945	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2		5/1/2001	996949	
pH (water)	7.1	s.u.	#			150.1	mw	4/10/2001	996804	

Sample Number: 23472		Matrix: GW						Collection: 4/9/2001	Time: 09:34	
Client ID: 010409 WA09R								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/18/2001	996854	
Barium - ICAP	<0.007	mg/l	RJ	0.007	0.02	200.7	bb	4/19/2001	996859	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	4/17/2001	996848	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	4/19/2001	996859	
Copper - ICAP	0.01	mg/l	J RJ	0.006	0.02	200.7	bb	4/19/2001	996859	
Iron - ICAP	0.12	mg/l	J RJ	0.081	0.26	200.7	bb	4/19/2001	996859	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	4/17/2001	996847	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7		4/17/2001		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	4/12/2001	996853	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	bb	4/19/2001	996859	

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INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER: 20010196
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 09-Apr-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	jz	4/19/2001	996863	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	4/19/2001	996859	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	4/18/2001	996856	
Zinc - ICAP	0.07	mg/l	RJ	0.014	0.04	200.7	bb	4/19/2001	996859	

Sample Number: 23473	Matrix: GW	Collection: 4/9/2001	Time: 09:36
Client ID: 010409 WA02P		Sample Description:	
pH (water)	9.6 s.u. #	150.1	mw 4/10/2001 996804

Sample Number: 23474	Matrix: GW	Collection: 4/9/2001	Time: 09:38
Client ID: 010409 WA03P		Sample Description:	
pH (water)	11 s.u. #	150.1	mw 4/10/2001 996804

Sample Number: 23475	Matrix: GW	Collection: 4/9/2001	Time: 09:20
Client ID: 010409 WA05P		Sample Description:	
pH (water)	7.3 s.u. #	150.1	mw 4/10/2001 996804

Sample Number: 23478	Matrix: GW	Collection: 4/9/2001	Time: 09:26
Client ID: 010409 WA09P		Sample Description:	
Chromium, Hexavalent	<0.0042 mg/l	0.004 0.01	SM 3500D ta 4/10/2001 996893
Cyanide, Amenable	<0.006 mg/l	RJ 0.006 0.02	335.2 bb 5/1/2001 996945
Cyanide, Total	<0.006 mg/l	RJ 0.006 0.02	335.2 5/1/2001 996949
pH (water)	7.4 s.u. #	150.1	mw 4/10/2001 996804



INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
APL Environmental
8222 W. Calumet Road
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INVOICE NUMBER 20010196
DATE REPORTED: 25-Jun-01
DATE RECEIVED: 09-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: James Chang Date: 6/25/01
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: 20010196
 DATE REPORTED: 17-Apr-01
 DATE RECEIVED: 09-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 23471									
Client ID: 010409WA01P									
	QC Prep Batch Number:	996833							
	Collection:	4/9/2001							Time: 09:30
	Sample Description:								
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	tm		4/12/2001 / 4/12/2001
1,1,1-Trichloroethane	122	ug/l	1.6	4.9	5	8260	tm		4/12/2001 / 4/12/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	tm		4/12/2001 / 4/12/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	tm		4/12/2001 / 4/12/2001
1,1-Dichloroethane	19	ug/l	1.6	5.1	5	8260	tm		4/12/2001 / 4/12/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5	8260	tm		4/12/2001 / 4/12/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	tm		4/12/2001 / 4/12/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	tm		4/12/2001 / 4/12/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	tm		4/12/2001 / 4/12/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	tm		4/12/2001 / 4/12/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	tm		4/12/2001 / 4/12/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	tm		4/12/2001 / 4/12/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	tm		4/12/2001 / 4/12/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	tm		4/12/2001 / 4/12/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	tm		4/12/2001 / 4/12/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	tm		4/12/2001 / 4/12/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	tm		4/12/2001 / 4/12/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	tm		4/12/2001 / 4/12/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	tm		4/12/2001 / 4/12/2001
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	tm		4/12/2001 / 4/12/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	tm		4/12/2001 / 4/12/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	tm		4/12/2001 / 4/12/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	tm		4/12/2001 / 4/12/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	tm		4/12/2001 / 4/12/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	tm		4/12/2001 / 4/12/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	tm		4/12/2001 / 4/12/2001
Acetone	< 7.8	ug/l	7.8	25	5	8260	tm		4/12/2001 / 4/12/2001
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	tm		4/12/2001 / 4/12/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	tm		4/12/2001 / 4/12/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	tm		4/12/2001 / 4/12/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	tm		4/12/2001 / 4/12/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	tm		4/12/2001 / 4/12/2001
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	tm		4/12/2001 / 4/12/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	tm		4/12/2001 / 4/12/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	tm		4/12/2001 / 4/12/2001
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	tm		4/12/2001 / 4/12/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	tm		4/12/2001 / 4/12/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	tm		4/12/2001 / 4/12/2001
cis-1,2-Dichloroethene	35	ug/l	1.4	4.3	5	8260	tm		4/12/2001 / 4/12/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	tm		4/12/2001 / 4/12/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	tm		4/12/2001 / 4/12/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010196
 DATE REPORTED: 17-Apr-01
 DATE RECEIVED: 09-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	tm	4/12/2001 / 4/12/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	tm	4/12/2001 / 4/12/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	tm	4/12/2001 / 4/12/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	tm	4/12/2001 / 4/12/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	tm	4/12/2001 / 4/12/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	tm	4/12/2001 / 4/12/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	tm	4/12/2001 / 4/12/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	tm	4/12/2001 / 4/12/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	tm	4/12/2001 / 4/12/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	tm	4/12/2001 / 4/12/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	tm	4/12/2001 / 4/12/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	tm	4/12/2001 / 4/12/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	tm	4/12/2001 / 4/12/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	tm	4/12/2001 / 4/12/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	tm	4/12/2001 / 4/12/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	tm	4/12/2001 / 4/12/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	tm	4/12/2001 / 4/12/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	tm	4/12/2001 / 4/12/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	tm	4/12/2001 / 4/12/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	tm	4/12/2001 / 4/12/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	tm	4/12/2001 / 4/12/2001
Trichloroethene	449	ug/l	1.7	5.4	5		8260	tm	4/12/2001 / 4/12/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	tm	4/12/2001 / 4/12/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	tm	4/12/2001 / 4/12/2001

Sample Number: 23476

QC Prep Batch Number: 996833

Collection: 4/9/2001

Time: 09:22

Client ID: 010409 WA07P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010196
 DATE REPORTED: 17-Apr-01
 DATE RECEIVED: 09-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	4/12/2001 / 4/12/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	tm	4/12/2001 / 4/12/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	4/12/2001 / 4/12/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	tm	4/12/2001 / 4/12/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	tm	4/12/2001 / 4/12/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	tm	4/12/2001 / 4/12/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	tm	4/12/2001 / 4/12/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	tm	4/12/2001 / 4/12/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	tm	4/12/2001 / 4/12/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	tm	4/12/2001 / 4/12/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	tm	4/12/2001 / 4/12/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	tm	4/12/2001 / 4/12/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	tm	4/12/2001 / 4/12/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	tm	4/12/2001 / 4/12/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	tm	4/12/2001 / 4/12/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	tm	4/12/2001 / 4/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	tm	4/12/2001 / 4/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	tm	4/12/2001 / 4/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	tm	4/12/2001 / 4/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	tm	4/12/2001 / 4/12/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	tm	4/12/2001 / 4/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	4/12/2001 / 4/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	4/12/2001 / 4/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	4/12/2001 / 4/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	4/12/2001 / 4/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	4/12/2001 / 4/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	4/12/2001 / 4/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	4/12/2001 / 4/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	4/12/2001 / 4/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	4/12/2001 / 4/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	4/12/2001 / 4/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	4/12/2001 / 4/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	4/12/2001 / 4/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	4/12/2001 / 4/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	4/12/2001 / 4/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	4/12/2001 / 4/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	4/12/2001 / 4/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	4/12/2001 / 4/12/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	4/12/2001 / 4/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	4/12/2001 / 4/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	4/12/2001 / 4/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001

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: 20010196
 DATE REPORTED: 17-Apr-01
 DATE RECEIVED: 09-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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		4/12/2001 / 4/12/2001
Trichloroethene	1.1	ug/l	0.34	1.1	1	8260	tm		4/12/2001 / 4/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	tm		4/12/2001 / 4/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	tm		4/12/2001 / 4/12/2001

Sample Number: 23477

QC Prep Batch Number: 996833

Collection: 4/9/2001

Time: 09:24

Client ID: 010409 WA08P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010196
 DATE REPORTED: 17-Apr-01
 DATE RECEIVED: 09-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	tm	4/12/2001 / 4/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	tm	4/12/2001 / 4/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	tm	4/12/2001 / 4/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	tm	4/12/2001 / 4/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	tm	4/12/2001 / 4/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	tm	4/12/2001 / 4/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	tm	4/12/2001 / 4/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	tm	4/12/2001 / 4/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	tm	4/12/2001 / 4/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	tm	4/12/2001 / 4/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	tm	4/12/2001 / 4/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	tm	4/12/2001 / 4/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	tm	4/12/2001 / 4/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	tm	4/12/2001 / 4/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	tm	4/12/2001 / 4/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	tm	4/12/2001 / 4/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	tm	4/12/2001 / 4/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	tm	4/12/2001 / 4/12/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	tm	4/12/2001 / 4/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	tm	4/12/2001 / 4/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	tm	4/12/2001 / 4/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	tm	4/12/2001 / 4/12/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	tm	4/12/2001 / 4/12/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	tm	4/12/2001 / 4/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	tm	4/12/2001 / 4/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	tm	4/12/2001 / 4/12/2001

Sample Number: 23478

QC Prep Batch Number: 996833

Collection: 4/9/2001

Time: 09:26

Client ID: 010409 WA09P

Sample Description:

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



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010196
 DATE REPORTED: 17-Apr-01
 DATE RECEIVED: 09-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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		4/12/2001 / 4/12/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	tm		4/12/2001 / 4/12/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	tm		4/12/2001 / 4/12/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	tm		4/12/2001 / 4/12/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	tm		4/12/2001 / 4/12/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	tm		4/12/2001 / 4/12/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	tm		4/12/2001 / 4/12/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	tm		4/12/2001 / 4/12/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1	8260	tm		4/12/2001 / 4/12/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	tm		4/12/2001 / 4/12/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	tm		4/12/2001 / 4/12/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	tm		4/12/2001 / 4/12/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	tm		4/12/2001 / 4/12/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	tm		4/12/2001 / 4/12/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	tm		4/12/2001 / 4/12/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	tm		4/12/2001 / 4/12/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	tm		4/12/2001 / 4/12/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	tm		4/12/2001 / 4/12/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	tm		4/12/2001 / 4/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	tm		4/12/2001 / 4/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	tm		4/12/2001 / 4/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	tm		4/12/2001 / 4/12/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	tm		4/12/2001 / 4/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	tm		4/12/2001 / 4/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	tm		4/12/2001 / 4/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	tm		4/12/2001 / 4/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	tm		4/12/2001 / 4/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	tm		4/12/2001 / 4/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	tm		4/12/2001 / 4/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	tm		4/12/2001 / 4/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	tm		4/12/2001 / 4/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	tm		4/12/2001 / 4/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	tm		4/12/2001 / 4/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	tm		4/12/2001 / 4/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	tm		4/12/2001 / 4/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	tm		4/12/2001 / 4/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	tm		4/12/2001 / 4/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	tm		4/12/2001 / 4/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	tm		4/12/2001 / 4/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	tm		4/12/2001 / 4/12/2001

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: 20010196
DATE REPORTED: 17-Apr-01
DATE RECEIVED: 09-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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		4/12/2001 / 4/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	tm		4/12/2001 / 4/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	tm		4/12/2001 / 4/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	tm		4/12/2001 / 4/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	tm		4/12/2001 / 4/12/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	tm		4/12/2001 / 4/12/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	tm		4/12/2001 / 4/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	tm		4/12/2001 / 4/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	tm		4/12/2001 / 4/12/2001

Sample Number: 23479

QC Prep Batch Number: 996833

Collection: 4/9/2001

Time:

Client ID: Trip Blank

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010196
DATE REPORTED: 17-Apr-01
DATE RECEIVED: 09-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
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		4/12/2001 / 4/12/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	tm		4/12/2001 / 4/12/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	tm		4/12/2001 / 4/12/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	tm		4/12/2001 / 4/12/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	tm		4/12/2001 / 4/12/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	tm		4/12/2001 / 4/12/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	tm		4/12/2001 / 4/12/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	tm		4/12/2001 / 4/12/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	tm		4/12/2001 / 4/12/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	tm		4/12/2001 / 4/12/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	tm		4/12/2001 / 4/12/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	tm		4/12/2001 / 4/12/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	tm		4/12/2001 / 4/12/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	tm		4/12/2001 / 4/12/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	tm		4/12/2001 / 4/12/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	tm		4/12/2001 / 4/12/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	tm		4/12/2001 / 4/12/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	tm		4/12/2001 / 4/12/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	tm		4/12/2001 / 4/12/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	tm		4/12/2001 / 4/12/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	tm		4/12/2001 / 4/12/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	tm		4/12/2001 / 4/12/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	tm		4/12/2001 / 4/12/2001
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	tm		4/12/2001 / 4/12/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	tm		4/12/2001 / 4/12/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	tm		4/12/2001 / 4/12/2001
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	tm		4/12/2001 / 4/12/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	tm		4/12/2001 / 4/12/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	tm		4/12/2001 / 4/12/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	tm		4/12/2001 / 4/12/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	tm		4/12/2001 / 4/12/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	tm		4/12/2001 / 4/12/2001



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010196
 DATE REPORTED: 17-Apr-01
 DATE RECEIVED: 09-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Approved By:  Date: 4/17/01
 James Chang, Ph.D., Lab Director

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

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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 8222 W. Calumet Road
 Milwaukee, WI 53223

WDNR# 241340550

INVOICE NUMBER 20010281
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 12-Apr-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: 23899		Matrix: GW									
Client ID: 23534									Collection: 4/12/2001	Time: 10:47	
Sample Description:											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2		5/16/2001			
Barium - ICAP	0.06	mg/l	RJ	0.007	0.02	200.7	bb	5/11/2001	997002		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2		5/15/2001			
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	5/11/2001	997002		
Copper- ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	bb	5/11/2001	997002		
Iron - ICAP	0.26	mg/l	RJ	0.081	0.26	200.7	bb	5/11/2001	997002		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2		5/14/2001			
Manganese - ICAP	0.009	mg/l	J RJ	0.006	0.02	200.7	bb	5/11/2001	997002		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1		5/14/2001			
Nickel - ICAP	0.07	mg/l	RJ	0.011	0.03	200.7	bb	5/11/2001	997002		
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2		5/10/2001			
Silver - ICAP	0.009	mg/l	J RJ	0.004	0.01	200.7	bb	5/11/2001	997002		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/14/2001			
Zinc - ICAP	0.07	mg/l	RJ	0.014	0.04	200.7	bb	5/11/2001	997002		
Sample Number: 23900		Matrix: GW									
Client ID: 23535									Collection: 4/12/2001	Time: 10:57	
Sample Description:											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2		5/16/2001			
Barium - ICAP	0.29	mg/l	RJ	0.007	0.02	200.7	bb	5/11/2001	997002		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2		5/15/2001			
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	5/11/2001	997002		
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002		
Iron - ICAP	1.5	mg/l	RJ	0.081	0.26	200.7	bb	5/11/2001	997002		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2		5/14/2001			
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1		5/14/2001			
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	5/11/2001	997002		
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2		5/10/2001			
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	5/11/2001	997002		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/14/2001			
Zinc - ICAP	0.1	mg/l	RJ	0.014	0.04	200.7	bb	5/11/2001	997002		

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INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER **20010281**
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 12-Apr-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: 23901		Matrix: GW						Collection: 4/12/2001	Time: 11:12	
Client ID: 23536								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2		5/16/2001		
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	bb	5/11/2001	997002	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2		5/15/2001		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	5/11/2001	997002	
Copper - ICAP	0.18	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Iron - ICAP	0.66	mg/l	RJ	0.081	0.26	200.7	bb	5/11/2001	997002	
Lead - Furnace AA	15	ug/l	RJ	1.5	4.8	239.2		5/14/2001		
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Mercury CV	0.0002	mg/l	J RJ	0.0002	0.0006	245.1		5/14/2001		
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	5/11/2001	997002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2		5/10/2001		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	5/11/2001	997002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/14/2001		
Zinc - ICAP	0.1	mg/l	RJ	0.014	0.04	200.7	bb	5/11/2001	997002	
Sample Number: 23902		Matrix: GW						Collection: 4/12/2001	Time: 11:21	
Client ID: 23537								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2		5/16/2001		
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	bb	5/11/2001	997002	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2		5/15/2001		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	5/11/2001	997002	
Copper - ICAP	0.08	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Iron - ICAP	4.6	mg/l	RJ	0.081	0.26	200.7	bb	5/11/2001	997002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2		5/14/2001		
Manganese - ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1		5/14/2001		
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	5/11/2001	997002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2		5/10/2001		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	5/11/2001	997002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/14/2001		
Zinc - ICAP	0.04	mg/l	J RJ	0.014	0.04	200.7	bb	5/11/2001	997002	

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INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550

INVOICE NUMBER 20010281
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 12-Apr-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: 23903		Matrix: GW						Collection: 4/12/2001		Time: 11:28
Client ID: 23538								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2		5/16/2001		
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	bb	5/11/2001	997002	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2		5/15/2001		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	5/11/2001	997002	
Copper - ICAP	0.09	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Iron - ICAP	2.2	mg/l	RJ	0.081	0.26	200.7	bb	5/11/2001	997002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2		5/14/2001		
Manganese - ICAP	0.06	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1		5/14/2001		
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	bb	5/11/2001	997002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2		5/10/2001		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	5/11/2001	997002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/14/2001		
Zinc - ICAP	0.06	mg/l	RJ	0.014	0.04	200.7	bb	5/11/2001	997002	
Sample Number: 23904		Matrix: GW						Collection: 4/12/2001		Time: 11:35
Client ID: 23539								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2		5/16/2001		
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	bb	5/11/2001	997002	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2		5/15/2001		
Chromium, Total - ICAP	0.009	mg/l	J RJ	0.008	0.03	200.7	bb	5/11/2001	997002	
Copper - ICAP	0.09	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Iron - ICAP	1.4	mg/l	RJ	0.081	0.26	200.7	bb	5/11/2001	997002	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2		5/14/2001		
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1		5/14/2001		
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	bb	5/11/2001	997002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2		5/10/2001		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	5/11/2001	997002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/14/2001		
Zinc - ICAP	0.32	mg/l	RJ	0.014	0.04	200.7	bb	5/11/2001	997002	

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INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
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 Milwaukee, WI 53223

INVOICE NUMBER: **20010281**
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 12-Apr-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: 23905		Matrix: GW						Collection: 4/12/2001		Time: 11:45
Client ID: 23540								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2		5/16/2001		
Barium - ICAP	0.08	mg/l	RJ	0.007	0.02	200.7	bb	5/11/2001	997002	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2		5/15/2001		
Chromium, Total - ICAP	0.009	mg/l	J RJ	0.008	0.03	200.7	bb	5/11/2001	997002	
Copper - ICAP	0.27	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	bb	5/11/2001	997002	
Lead - Furnace AA	2.1	ug/l	J RJ	1.5	4.8	239.2		5/14/2001		
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	bb	5/11/2001	997002	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1		5/14/2001		
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	bb	5/11/2001	997002	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2		5/10/2001		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	5/11/2001	997002	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/14/2001		
Zinc - ICAP	0.05	mg/l	RJ	0.014	0.04	200.7	bb	5/11/2001	997002	

Approved By: Date: 5/15/01
 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: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 23534	QC Prep Batch Number: 996857						Collection: 4/12/2001		Time: 10:47
Client ID: 010412RW01P							Sample Description:		
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/17/2001 / 4/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/17/2001 / 4/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/17/2001 / 4/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/17/2001 / 4/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/17/2001 / 4/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/17/2001 / 4/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/17/2001 / 4/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/17/2001 / 4/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/17/2001 / 4/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/17/2001 / 4/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/17/2001 / 4/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/17/2001 / 4/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/17/2001 / 4/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/17/2001 / 4/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/17/2001 / 4/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/17/2001 / 4/17/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	qh	4/17/2001 / 4/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/17/2001 / 4/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/17/2001 / 4/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/17/2001 / 4/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/17/2001 / 4/17/2001

Sample Number: 23535

QC Prep Batch Number: 996857

Collection: 4/12/2001

Time: 10:57

Client ID: 010412RW02P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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		4/17/2001 / 4/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/17/2001 / 4/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/17/2001 / 4/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/17/2001 / 4/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		4/17/2001 / 4/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		4/17/2001 / 4/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/17/2001 / 4/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/17/2001 / 4/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		4/17/2001 / 4/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		4/17/2001 / 4/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/17/2001 / 4/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		4/17/2001 / 4/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/17/2001 / 4/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		4/17/2001 / 4/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/17/2001 / 4/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		4/17/2001 / 4/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		4/17/2001 / 4/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		4/17/2001 / 4/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/17/2001 / 4/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		4/17/2001 / 4/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/17/2001 / 4/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/17/2001 / 4/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		4/17/2001 / 4/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/17/2001 / 4/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/17/2001 / 4/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		4/17/2001 / 4/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		4/17/2001 / 4/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/17/2001 / 4/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/17/2001 / 4/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/17/2001 / 4/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/17/2001 / 4/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/17/2001 / 4/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/17/2001 / 4/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		4/17/2001 / 4/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/17/2001 / 4/17/2001

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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		4/17/2001 / 4/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/17/2001 / 4/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/17/2001 / 4/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		4/17/2001 / 4/17/2001

Sample Number: 23536

QC Prep Batch Number: 996857

Collection: 4/12/2001

Time: 11:12

Client ID: 010412RW03P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	4/17/2001 / 4/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/17/2001 / 4/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/17/2001 / 4/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/17/2001 / 4/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/17/2001 / 4/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/17/2001 / 4/17/2001

Sample Number: 23537

QC Prep Batch Number: 996857

Collection: 4/12/2001

Time: 11:21

Client ID: 010412RW04P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	4/17/2001 / 4/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/17/2001 / 4/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/17/2001 / 4/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/17/2001 / 4/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/17/2001 / 4/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/17/2001 / 4/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/17/2001 / 4/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/17/2001 / 4/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,2-Dichloroethene	0.73	ug/l	0.27	0.86	1	J	8260	qh	4/17/2001 / 4/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/17/2001 / 4/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/17/2001 / 4/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/17/2001 / 4/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/17/2001 / 4/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001

APL warrants the test results to be of a precision normal for the sample type and methodology employed for each sample submitted. APL disclaims any other 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: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	4/17/2001 / 4/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Tetrachloroethene	0.68	ug/l	0.31	0.99	1	J	8260	qh	4/17/2001 / 4/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/17/2001 / 4/17/2001

Sample Number: 23538

QC Prep Batch Number: 996857

Collection: 4/12/2001

Time: 11:28

Client ID: 010412RW05P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 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	4/17/2001 / 4/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/17/2001 / 4/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/17/2001 / 4/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,2-Dichloroethene	0.77	ug/l	0.27	0.86	1	J	8260	qh	4/17/2001 / 4/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/17/2001 / 4/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/17/2001 / 4/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/17/2001 / 4/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/17/2001 / 4/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/17/2001 / 4/17/2001

Sample Number: 23539

QC Prep Batch Number: 996857

Collection: 4/12/2001

Time: 11:35

Client ID: 010412RW06P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/17/2001 / 4/17/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/17/2001 / 4/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/17/2001 / 4/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/17/2001 / 4/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
DATE REPORTED: 16-Jul-01
DATE RECEIVED: 16-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/17/2001 / 4/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/17/2001 / 4/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/17/2001 / 4/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/17/2001 / 4/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/17/2001 / 4/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/17/2001 / 4/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/17/2001 / 4/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/17/2001 / 4/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/17/2001 / 4/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/17/2001 / 4/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/17/2001 / 4/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,2-Dichloroethene	0.90	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/17/2001 / 4/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/17/2001 / 4/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/17/2001 / 4/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/17/2001 / 4/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/17/2001 / 4/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/17/2001 / 4/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/17/2001 / 4/17/2001

Sample Number: 23540

QC Prep Batch Number: 996857

Collection: 4/12/2001

Time: 11:45

Client ID: 010412RW07P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

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

Sample Number: 23541

QC Prep Batch Number: 996857

Collection: 4/12/2001

Time:

Client ID: Trip Blank

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/17/2001 / 4/17/2001
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
DATE REPORTED: 16-Jul-01
DATE RECEIVED: 16-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/17/2001 / 4/17/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		4/17/2001 / 4/17/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		4/17/2001 / 4/17/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	qh		4/17/2001 / 4/17/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/17/2001 / 4/17/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	qh		4/17/2001 / 4/17/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	qh		4/17/2001 / 4/17/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	qh		4/17/2001 / 4/17/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	qh		4/17/2001 / 4/17/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/17/2001 / 4/17/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		4/17/2001 / 4/17/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/17/2001 / 4/17/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	qh		4/17/2001 / 4/17/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	qh		4/17/2001 / 4/17/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/17/2001 / 4/17/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/17/2001 / 4/17/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/17/2001 / 4/17/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/17/2001 / 4/17/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/17/2001 / 4/17/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		4/17/2001 / 4/17/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		4/17/2001 / 4/17/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/17/2001 / 4/17/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/17/2001 / 4/17/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		4/17/2001 / 4/17/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		4/17/2001 / 4/17/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/17/2001 / 4/17/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		4/17/2001 / 4/17/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/17/2001 / 4/17/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		4/17/2001 / 4/17/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/17/2001 / 4/17/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		4/17/2001 / 4/17/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/17/2001 / 4/17/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		4/17/2001 / 4/17/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		4/17/2001 / 4/17/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/17/2001 / 4/17/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/17/2001 / 4/17/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		4/17/2001 / 4/17/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/17/2001 / 4/17/2001

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



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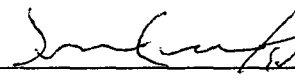

Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010208
 DATE REPORTED: 16-Jul-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/17/2001 / 4/17/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/17/2001 / 4/17/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/17/2001 / 4/17/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/17/2001 / 4/17/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/17/2001 / 4/17/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/17/2001 / 4/17/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/17/2001 / 4/17/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/17/2001 / 4/17/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/17/2001 / 4/17/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/17/2001 / 4/17/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/17/2001 / 4/17/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/17/2001 / 4/17/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/17/2001 / 4/17/2001

Approved By:  Date: 
 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
 8222 W. Calumet Road
 Milwaukee, WI 53223



WDNR# 241340550
 INVOICE NUMBER: 20010207
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 16-Apr-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: 23525		Matrix: GW		Collection: 4/16/2001		Time: 09:24				
Client ID: 010416WA01P		Sample Description:								
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/18/2001	996854	
Barium - ICAP	0.13	mg/l	RJ	0.007	0.02	200.7	bb	4/19/2001	996859	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	4/17/2001	996848	
Chromium, Total - ICAP	0.009	mg/l	J RJ	0.008	0.03	200.7	bb	4/19/2001	996859	
Copper- ICAP	0.009	mg/l	J RJ	0.006	0.02	200.7	bb	4/19/2001	996859	
Iron - ICAP	1.9	mg/l	RJ	0.081	0.26	200.7	bb	4/19/2001	996859	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	4/17/2001	996847	
Manganese - ICAP	0.18	mg/l	RJ	0.006	0.02	200.7	bb	4/19/2001	996859	
Mercury CV	<0.005	ug/l	RJ	0.005	0.02	245.1	bb	4/26/2001	996898	
Nickel - ICAP	0.05	mg/l	RJ	0.011	0.03	200.7	bb	4/19/2001	996859	
Selenium - Furnace AA	6.8	ug/l	J RJ	4.8	15	270.2	jz	4/19/2001	996863	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	4/19/2001	996859	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	4/18/2001	996856	
Zinc - ICAP	0.05	mg/l	RJ	0.014	0.04	200.7	bb	4/19/2001	996859	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	ta	4/10/2001	996893	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	5/1/2001	996945	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2		5/1/2001	996949	
pH (water)	7.3	s.u.	#			150.1	ogtp	4/16/2001	996838	

Sample Number: 23526		Matrix: GW		Collection: 4/16/2001		Time: 09:35				
Client ID: 010416WA09R		Sample Description:								
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/18/2001	996854	
Barium - ICAP	0.01	mg/l	J RJ	0.007	0.02	200.7	bb	4/19/2001	996859	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	4/17/2001	996848	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	bb	4/19/2001	996859	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	4/19/2001	996859	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	bb	4/19/2001	996859	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	jz	4/17/2001	996847	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	bb	4/19/2001	996859	
Mercury CV	<0.005	ug/l	RJ	0.005	0.02	245.1		4/26/2001		
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	bb	4/19/2001	996859	

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



INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER 20010207
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 16-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	4/19/2001	996863	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	bb	4/19/2001	996859	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	jz	4/18/2001	996856	
Zinc - ICAP	0.06	mg/l	RJ	0.014	0.04	200.7	bb	4/19/2001	996859	
<hr/> <p>Sample Number: 23527 Matrix: GW Collection: 4/16/2001 Time: 09:37 Client ID: 010416WA02P Sample Description:</p>										
pH (water)	9.6	s.u.	#			150.1	ogtp	4/16/2001	996838	
<hr/> <p>Sample Number: 23528 Matrix: GW Collection: 4/16/2001 Time: 09:40 Client ID: 010416WA03P Sample Description:</p>										
pH (water)	12	s.u.	#			150.1	ogtp	4/16/2001	996838	
<hr/> <p>Sample Number: 23529 Matrix: GW Collection: 4/16/2001 Time: 09:22 Client ID: 010416WA05P Sample Description:</p>										
pH (water)	8.4	s.u.	#			150.1	ogtp	4/16/2001	996838	
<hr/> <p>Sample Number: 23533 Matrix: GW Collection: 4/16/2001 Time: 09:30 Client ID: 010416WA09P Sample Description:</p>										
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500D	ta	4/10/2001	996893	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	5/1/2001	996945	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2		5/1/2001	996949	
pH (water)	7.6	s.u.	#			150.1	ogtp	4/16/2001	996838	



INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
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INVOICE NUMBER 20010207
DATE REPORTED: 15-May-01
DATE RECEIVED: 16-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: James Chang Date: 5/15/01
James Chang, Ph.D., Lab Director

RJ Result expressed as Total.

TTR Result expressed as total and total recoverable.

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

LOQ = 10 (S) x Dilution 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: 20010207
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 16-Apr-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: 23525		QC Prep Batch Number: 996846					Collection: 4/16/2001		Time: 09:24
Client ID: 010416WA01P							Sample Description:		
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	qh	4/16/2001 / 4/16/2001
1,1,1-Trichloroethane	115	ug/l	1.6	4.9	5		8260	qh	4/16/2001 / 4/16/2001
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/16/2001 / 4/16/2001
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	qh	4/16/2001 / 4/16/2001
1,1-Dichloroethane	20	ug/l	1.6	5.1	5		8260	qh	4/16/2001 / 4/16/2001
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/16/2001 / 4/16/2001
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	qh	4/16/2001 / 4/16/2001
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	qh	4/16/2001 / 4/16/2001
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	qh	4/16/2001 / 4/16/2001
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	qh	4/16/2001 / 4/16/2001
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/16/2001 / 4/16/2001
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	qh	4/16/2001 / 4/16/2001
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/16/2001 / 4/16/2001
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	qh	4/16/2001 / 4/16/2001
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	qh	4/16/2001 / 4/16/2001
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/16/2001 / 4/16/2001
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/16/2001 / 4/16/2001
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/16/2001 / 4/16/2001
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	4/16/2001 / 4/16/2001
1,2-Dibromo-3-chloropropane	< 1.7	ug/l	1.7	5.2	5		8260	qh	4/16/2001 / 4/16/2001
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/16/2001 / 4/16/2001
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	qh	4/16/2001 / 4/16/2001
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	qh	4/16/2001 / 4/16/2001
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/16/2001 / 4/16/2001
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/16/2001 / 4/16/2001
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	qh	4/16/2001 / 4/16/2001
Acetone	< 7.8	ug/l	7.8	25	5		8260	qh	4/16/2001 / 4/16/2001
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/16/2001 / 4/16/2001
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/16/2001 / 4/16/2001
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	qh	4/16/2001 / 4/16/2001
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	qh	4/16/2001 / 4/16/2001
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/16/2001 / 4/16/2001
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	qh	4/16/2001 / 4/16/2001
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/16/2001 / 4/16/2001
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/16/2001 / 4/16/2001
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	qh	4/16/2001 / 4/16/2001
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/16/2001 / 4/16/2001
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	qh	4/16/2001 / 4/16/2001
cis-1,2-Dichloroethene	36	ug/l	1.4	4.3	5		8260	qh	4/16/2001 / 4/16/2001
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	qh	4/16/2001 / 4/16/2001
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	qh	4/16/2001 / 4/16/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 16-Apr-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	4/16/2001 / 4/16/2001
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	4/16/2001 / 4/16/2001
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/16/2001 / 4/16/2001
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	4/16/2001 / 4/16/2001
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/16/2001 / 4/16/2001
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	4/16/2001 / 4/16/2001
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	4/16/2001 / 4/16/2001
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	4/16/2001 / 4/16/2001
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/16/2001 / 4/16/2001
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	4/16/2001 / 4/16/2001
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	4/16/2001 / 4/16/2001
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	4/16/2001 / 4/16/2001
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/16/2001 / 4/16/2001
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/16/2001 / 4/16/2001
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	4/16/2001 / 4/16/2001
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/16/2001 / 4/16/2001
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	4/16/2001 / 4/16/2001
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	4/16/2001 / 4/16/2001
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	4/16/2001 / 4/16/2001
trans-1,2-Dichloroethene	< 1.3	ug/l	1.3	4.0	5		8260	qh	4/16/2001 / 4/16/2001
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	4/16/2001 / 4/16/2001
Trichloroethene	448	ug/l	1.7	5.4	5		8260	qh	4/16/2001 / 4/16/2001
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	4/16/2001 / 4/16/2001
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	4/16/2001 / 4/16/2001

Sample Number: 23530

QC Prep Batch Number: 996846

Collection: 4/16/2001

Time: 09:28

Client ID: 010416WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/16/2001 / 4/6/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/16/2001 / 4/6/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/16/2001 / 4/6/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/16/2001 / 4/6/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/16/2001 / 4/6/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/16/2001 / 4/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
DATE REPORTED: 25-Jun-01
DATE RECEIVED: 16-Apr-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		4/16/2001 / 4/6/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/16/2001 / 4/6/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		4/16/2001 / 4/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		4/16/2001 / 4/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		4/16/2001 / 4/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		4/16/2001 / 4/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		4/16/2001 / 4/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		4/16/2001 / 4/6/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/16/2001 / 4/6/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		4/16/2001 / 4/6/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		4/16/2001 / 4/6/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		4/16/2001 / 4/6/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		4/16/2001 / 4/6/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/16/2001 / 4/6/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		4/16/2001 / 4/6/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/16/2001 / 4/6/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		4/16/2001 / 4/6/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		4/16/2001 / 4/6/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		4/16/2001 / 4/6/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 16-Apr-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	4/16/2001 / 4/6/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/16/2001 / 4/6/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/16/2001 / 4/6/2001

Sample Number: 23531

QC Prep Batch Number: 996846

Collection: 4/16/2001

Time: 09:33

Client ID: 010416WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/16/2001 / 4/6/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/16/2001 / 4/6/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/16/2001 / 4/6/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/16/2001 / 4/6/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/16/2001 / 4/6/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/16/2001 / 4/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/16/2001 / 4/6/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/16/2001 / 4/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/16/2001 / 4/6/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/16/2001 / 4/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	4/16/2001 / 4/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	4/16/2001 / 4/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/16/2001 / 4/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/16/2001 / 4/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	4/16/2001 / 4/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	4/16/2001 / 4/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/16/2001 / 4/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/16/2001 / 4/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/16/2001 / 4/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	4/16/2001 / 4/6/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/16/2001 / 4/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	4/16/2001 / 4/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/16/2001 / 4/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/16/2001 / 4/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	4/16/2001 / 4/6/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 16-Apr-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	4/16/2001 / 4/6/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	4/16/2001 / 4/6/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/16/2001 / 4/6/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	4/16/2001 / 4/6/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	4/16/2001 / 4/6/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	4/16/2001 / 4/6/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	4/16/2001 / 4/6/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/16/2001 / 4/6/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	4/16/2001 / 4/6/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/16/2001 / 4/6/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	4/16/2001 / 4/6/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	4/16/2001 / 4/6/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	4/16/2001 / 4/6/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/16/2001 / 4/6/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	4/16/2001 / 4/6/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	4/16/2001 / 4/6/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	4/16/2001 / 4/6/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/16/2001 / 4/6/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/16/2001 / 4/6/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/16/2001 / 4/6/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/16/2001 / 4/6/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/16/2001 / 4/6/2001
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	4/16/2001 / 4/6/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	4/16/2001 / 4/6/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	4/16/2001 / 4/6/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	4/16/2001 / 4/6/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	4/16/2001 / 4/6/2001

Sample Number: 23532

QC Prep Batch Number: 996846

Collection: 4/16/2001

Time:

Client ID: Trip Blank

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	4/16/2001 / 4/6/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	4/16/2001 / 4/6/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	4/16/2001 / 4/6/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	4/16/2001 / 4/6/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	4/16/2001 / 4/6/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	4/16/2001 / 4/6/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	4/16/2001 / 4/6/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	4/16/2001 / 4/6/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
DATE REPORTED: 25-Jun-01
DATE RECEIVED: 16-Apr-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		4/16/2001 / 4/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	qh		4/16/2001 / 4/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/16/2001 / 4/6/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		4/16/2001 / 4/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		4/16/2001 / 4/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		4/16/2001 / 4/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		4/16/2001 / 4/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		4/16/2001 / 4/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		4/16/2001 / 4/6/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/16/2001 / 4/6/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		4/16/2001 / 4/6/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		4/16/2001 / 4/6/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		4/16/2001 / 4/6/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		4/16/2001 / 4/6/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/16/2001 / 4/6/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		4/16/2001 / 4/6/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/16/2001 / 4/6/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		4/16/2001 / 4/6/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		4/16/2001 / 4/6/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001

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



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 16-Apr-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		4/16/2001 / 4/6/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		4/16/2001 / 4/6/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/16/2001 / 4/6/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		4/16/2001 / 4/6/2001

Sample Number: 23533

QC Prep Batch Number: 996846

Collection: 4/16/2001

Time: 09:30

Client ID: 010416WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	qh		4/16/2001 / 4/6/2001
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		4/16/2001 / 4/6/2001
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	qh		4/16/2001 / 4/6/2001
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	qh		4/16/2001 / 4/6/2001
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	qh		4/16/2001 / 4/6/2001
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	qh		4/16/2001 / 4/6/2001
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	qh		4/16/2001 / 4/6/2001
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	qh		4/16/2001 / 4/6/2001
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	qh		4/16/2001 / 4/6/2001
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/16/2001 / 4/6/2001
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/16/2001 / 4/6/2001
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		4/16/2001 / 4/6/2001
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		4/16/2001 / 4/6/2001
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		4/16/2001 / 4/6/2001
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		4/16/2001 / 4/6/2001
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		4/16/2001 / 4/6/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 16-Apr-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		4/16/2001 / 4/6/2001
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		4/16/2001 / 4/6/2001
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		4/16/2001 / 4/6/2001
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/16/2001 / 4/6/2001
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		4/16/2001 / 4/6/2001
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		4/16/2001 / 4/6/2001
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		4/16/2001 / 4/6/2001
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		4/16/2001 / 4/6/2001
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		4/16/2001 / 4/6/2001
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		4/16/2001 / 4/6/2001
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		4/16/2001 / 4/6/2001
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		4/16/2001 / 4/6/2001
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		4/16/2001 / 4/6/2001
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		4/16/2001 / 4/6/2001
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		4/16/2001 / 4/6/2001
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		4/16/2001 / 4/6/2001
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		4/16/2001 / 4/6/2001
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		4/16/2001 / 4/6/2001
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		4/16/2001 / 4/6/2001
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	qh		4/16/2001 / 4/6/2001
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		4/16/2001 / 4/6/2001
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		4/16/2001 / 4/6/2001
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		4/16/2001 / 4/6/2001



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010207
 DATE REPORTED: 25-Jun-01
 DATE RECEIVED: 16-Apr-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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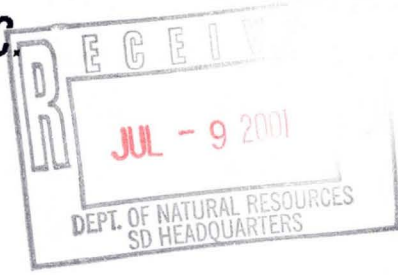
Approved By: James Chang Date: 6/25/01
 James Chang, Ph.D., Lab Director

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

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



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INORGANIC REPORT

WDNR# 241340550
 INVOICE NUMBER 20010230
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 23-Apr-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: 23626		Matrix: GW						Collection: 4/23/2001		Time: 08:50
Client ID: 010423WA01P								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/25/2001	996916	
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	BB	4/30/2001	996917	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	4/23/2001	996875	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	BB	4/30/2001	996917	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	BB	4/30/2001	996917	
Iron - ICAP	0.97	mg/l	RJ	0.081	0.26	200.7	BB	4/30/2001	996917	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2		4/30/2001		
Manganese - ICAP	0.17	mg/l	RJ	0.006	0.02	200.7	BB	4/30/2001	996917	
Mercury CV	<0.005	ug/l	RJ	0.005	0.02	245.1	bb	4/26/2001	996898	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	BB	4/30/2001	996917	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	5/9/2001	996991	
Silver - ICAP	0.005	mg/l	J RJ	0.004	0.01	200.7	BB	4/30/2001	996917	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/9/2001		
Zinc - ICAP	0.06	mg/l	RJ	0.014	0.04	200.7	BB	4/30/2001	996917	
Chromium, Hexavalent	<0.004	mg/l		0.004	0.01	SM 3500D		4/23/2001		
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2		5/1/2001		
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2		5/1/2001	996949	
pH (water)	7.4	s.u.	#			150.1	ogtp	4/23/2001	996882	

Sample Number: 23627		Matrix: GW						Collection: 4/23/2001		Time: 08:57
Client ID: 010423WA09R								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	jz	4/25/2001	996916	
Barium - ICAP	0.02	mg/l	J RJ	0.007	0.02	200.7	BB	4/30/2001	996917	
Cadmium - Furnace AA	<0.4	ug/l	TTR	0.4	1.3	213.2	jz	4/23/2001	996875	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	BB	4/30/2001	996917	
Copper- ICAP	0.007	mg/l	J RJ	0.006	0.02	200.7	BB	4/30/2001	996917	
Iron - ICAP	0.12	mg/l	J RJ	0.081	0.26	200.7	BB	4/30/2001	996917	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2		4/30/2001		
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	BB	4/30/2001	996917	
Mercury CV	<0.005	ug/l	RJ	0.005	0.02	245.1	bb	4/26/2001	996898	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	BB	4/30/2001	996917	

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INORGANIC REPORT

Dr. James Chang
 APL Environmental
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WDNR# 241340550
 INVOICE NUMBER 20010230
 DATE REPORTED: 15-May-01
 DATE RECEIVED: 23-Apr-01
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	jz	5/9/2001	996991	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	BB	4/30/2001	996917	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2		5/9/2001		
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	BB	4/30/2001	996917	
<hr/> <p>Sample Number: 23628 Matrix: GW Client ID: 010423WA02P Collection: 4/23/2001 Time: 09:20 Sample Description:</p>										
pH (water)	9.6	s.u.	#			150.1	ogtp	4/23/2001	996882	
<hr/> <p>Sample Number: 23629 Matrix: GW Client ID: 010423WA03P Collection: 4/23/2001 Time: 09:05 Sample Description:</p>										
pH (water)	11	s.u.	#			150.1	ogtp	4/23/2001	996882	
<hr/> <p>Sample Number: 23630 Matrix: GW Client ID: 010423WA05P Collection: 4/23/2001 Time: 08:59 Sample Description:</p>										
pH (water)	8.4	s.u.	#			150.1	ogtp	4/23/2001	996882	
<hr/> <p>Sample Number: 23634 Matrix: GW Client ID: 010423WA09P Collection: 4/23/2001 Time: 08:55 Sample Description:</p>										
Chromium, Hexavalent	<0.004	mg/l		0.004	0.01	SM 3500D		4/23/2001		
Cyanide, Amenable	<0.006	mg/l		0.006	0.02	335.2		4/23/2001		
Cyanide, Total	<0.006	mg/l		0.006	0.02	335.2		4/23/2001		
pH (water)	7.6	s.u.	#			150.1	ogtp	4/23/2001	996882	



INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER 20010230
DATE REPORTED: 15-May-01
DATE RECEIVED: 23-Apr-01
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
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Approved By: James Chang Date: 5/15/01
James Chang, Ph.D., Lab Director

RJ Result expressed as Total.

TTR Result expressed as total and total recoverable.

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

LOQ = 10 (S) x Dilution 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: 20010230
 DATE REPORTED: 01-May-01
 DATE RECEIVED: 23-Apr-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: 23626									
Client ID: 010423WA01P									
QC Prep Batch Number: 996923									
Collection: 2001-4-23									
Time: 08:50									
Sample Description:									
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	qh		2001-4-24 / 2001-4-24
1,1,1-Trichloroethane	89	ug/l	1.6	4.9	5	8260	qh		2001-4-24 / 2001-4-24
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		2001-4-24 / 2001-4-24
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		2001-4-24 / 2001-4-24
1,1-Dichloroethane	18	ug/l	1.6	5.1	5	8260	qh		2001-4-24 / 2001-4-24
1,1-Dichloroethene	11	ug/l	1.7	5.4	5	8260	qh		2001-4-24 / 2001-4-24
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	qh		2001-4-24 / 2001-4-24
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	qh		2001-4-24 / 2001-4-24
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	qh		2001-4-24 / 2001-4-24
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	qh		2001-4-24 / 2001-4-24
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	qh		2001-4-24 / 2001-4-24
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	qh		2001-4-24 / 2001-4-24
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2001-4-24 / 2001-4-24
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	qh		2001-4-24 / 2001-4-24
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	qh		2001-4-24 / 2001-4-24
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2001-4-24 / 2001-4-24
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2001-4-24 / 2001-4-24
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	qh		2001-4-24 / 2001-4-24
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	qh		2001-4-24 / 2001-4-24
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	qh		2001-4-24 / 2001-4-24
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	qh		2001-4-24 / 2001-4-24
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	qh		2001-4-24 / 2001-4-24
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	qh		2001-4-24 / 2001-4-24
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	qh		2001-4-24 / 2001-4-24
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2001-4-24 / 2001-4-24
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	qh		2001-4-24 / 2001-4-24
Acetone	< 7.8	ug/l	7.8	25	5	8260	qh		2001-4-24 / 2001-4-24
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	qh		2001-4-24 / 2001-4-24
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	qh		2001-4-24 / 2001-4-24
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	qh		2001-4-24 / 2001-4-24
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	qh		2001-4-24 / 2001-4-24
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	qh		2001-4-24 / 2001-4-24
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	qh		2001-4-24 / 2001-4-24
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	qh		2001-4-24 / 2001-4-24
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2001-4-24 / 2001-4-24
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	qh		2001-4-24 / 2001-4-24
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	qh		2001-4-24 / 2001-4-24
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	qh		2001-4-24 / 2001-4-24
cis-1,2-Dichloroethene	31	ug/l	1.4	4.3	5	8260	qh		2001-4-24 / 2001-4-24
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	qh		2001-4-24 / 2001-4-24
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	qh		2001-4-24 / 2001-4-24



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010230
 DATE REPORTED: 01-May-01
 DATE RECEIVED: 23-Apr-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	2001-4-24 / 2001-4-24
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	qh	2001-4-24 / 2001-4-24
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2001-4-24 / 2001-4-24
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	qh	2001-4-24 / 2001-4-24
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	qh	2001-4-24 / 2001-4-24
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	qh	2001-4-24 / 2001-4-24
m&p-xylene	< 2.7	ug/l	2.7	8.4	5		8260	qh	2001-4-24 / 2001-4-24
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	qh	2001-4-24 / 2001-4-24
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	qh	2001-4-24 / 2001-4-24
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	qh	2001-4-24 / 2001-4-24
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	qh	2001-4-24 / 2001-4-24
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	qh	2001-4-24 / 2001-4-24
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2001-4-24 / 2001-4-24
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2001-4-24 / 2001-4-24
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	qh	2001-4-24 / 2001-4-24
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	qh	2001-4-24 / 2001-4-24
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	qh	2001-4-24 / 2001-4-24
Tetrachloroethene	< 1.6	ug/l	1.6	4.9	5		8260	qh	2001-4-24 / 2001-4-24
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	qh	2001-4-24 / 2001-4-24
trans-1,2-Dichloroethene	17	ug/l	1.3	4.0	5		8260	qh	2001-4-24 / 2001-4-24
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	qh	2001-4-24 / 2001-4-24
Trichloroethene	408	ug/l	1.7	5.4	5		8260	qh	2001-4-24 / 2001-4-24
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	qh	2001-4-24 / 2001-4-24
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	qh	2001-4-24 / 2001-4-24

Sample Number: 23631

QC Prep Batch Number: 996923

Collection: 2001-4-23

Time: 08:47

Client ID: 010423WA07P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010230
DATE REPORTED: 01-May-01
DATE RECEIVED: 23-Apr-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		2001-4-24 / 2001-4-24
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-24 / 2001-4-24
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		2001-4-24 / 2001-4-24
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	qh		2001-4-24 / 2001-4-24
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	qh		2001-4-24 / 2001-4-24
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	qh		2001-4-24 / 2001-4-24
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-24 / 2001-4-24
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	qh		2001-4-24 / 2001-4-24
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	qh		2001-4-24 / 2001-4-24
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		2001-4-24 / 2001-4-24
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-24 / 2001-4-24
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		2001-4-24 / 2001-4-24
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-24 / 2001-4-24
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		2001-4-24 / 2001-4-24
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		2001-4-24 / 2001-4-24
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		2001-4-24 / 2001-4-24
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		2001-4-24 / 2001-4-24
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		2001-4-24 / 2001-4-24
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		2001-4-24 / 2001-4-24
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		2001-4-24 / 2001-4-24
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		2001-4-24 / 2001-4-24
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		2001-4-24 / 2001-4-24
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-24 / 2001-4-24
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		2001-4-24 / 2001-4-24
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010230
 DATE REPORTED: 01-May-01
 DATE RECEIVED: 23-Apr-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		2001-4-24 / 2001-4-24
Trichloroethene	<0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-24 / 2001-4-24
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-24 / 2001-4-24
Vinyl chloride	<0.20	ug/l	0.20	0.64	1	8260	qh		2001-4-24 / 2001-4-24

Sample Number: 23632

QC Prep Batch Number: 996923

Collection: 2001-4-23

Time: 08:45

Client ID: 010423WA08P

Sample Description:

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



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 8222 W. Calumet Road
 Milwaukee, WI 53223

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010230
 DATE REPORTED: 01-May-01
 DATE RECEIVED: 23-Apr-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		2001-4-24 / 2001-4-24
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		2001-4-24 / 2001-4-24
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		2001-4-24 / 2001-4-24
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		2001-4-24 / 2001-4-24
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		2001-4-24 / 2001-4-24
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		2001-4-24 / 2001-4-24
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		2001-4-24 / 2001-4-24
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		2001-4-24 / 2001-4-24
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		2001-4-24 / 2001-4-24
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		2001-4-24 / 2001-4-24
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-24 / 2001-4-24
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		2001-4-24 / 2001-4-24
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-24 / 2001-4-24
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-24 / 2001-4-24
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-24 / 2001-4-24
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		2001-4-24 / 2001-4-24

Sample Number: 23633

QC Prep Batch Number: 996923

Collection: 2001-4-23

Time:

Client ID: Trip Blank

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010230
 DATE REPORTED: 01-May-01
 DATE RECEIVED: 23-Apr-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	2001-4-24 / 2001-4-24
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-24 / 2001-4-24
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2001-4-24 / 2001-4-24
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2001-4-24 / 2001-4-24
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-24 / 2001-4-24
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-24 / 2001-4-24
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-24 / 2001-4-24
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2001-4-24 / 2001-4-24
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2001-4-24 / 2001-4-24
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-24 / 2001-4-24
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2001-4-24 / 2001-4-24
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2001-4-24 / 2001-4-24
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-24 / 2001-4-24
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-24 / 2001-4-24
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2001-4-24 / 2001-4-24
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2001-4-24 / 2001-4-24
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-24 / 2001-4-24
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-24 / 2001-4-24
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2001-4-24 / 2001-4-24
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2001-4-24 / 2001-4-24
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-24 / 2001-4-24
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2001-4-24 / 2001-4-24
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-24 / 2001-4-24
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2001-4-24 / 2001-4-24
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2001-4-24 / 2001-4-24
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2001-4-24 / 2001-4-24
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2001-4-24 / 2001-4-24
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-24 / 2001-4-24
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2001-4-24 / 2001-4-24
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2001-4-24 / 2001-4-24
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2001-4-24 / 2001-4-24
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2001-4-24 / 2001-4-24
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-24 / 2001-4-24
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2001-4-24 / 2001-4-24
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-24 / 2001-4-24
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2001-4-24 / 2001-4-24
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2001-4-24 / 2001-4-24
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2001-4-24 / 2001-4-24
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2001-4-24 / 2001-4-24
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2001-4-24 / 2001-4-24
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2001-4-24 / 2001-4-24
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2001-4-24 / 2001-4-24
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2001-4-24 / 2001-4-24
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2001-4-24 / 2001-4-24
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2001-4-24 / 2001-4-24

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: 20010230
 DATE REPORTED: 01-May-01
 DATE RECEIVED: 23-Apr-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		2001-4-24 / 2001-4-24
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		2001-4-24 / 2001-4-24
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-24 / 2001-4-24
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-24 / 2001-4-24
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-24 / 2001-4-24
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		2001-4-24 / 2001-4-24

Sample Number: 23634

QC Prep Batch Number: 996923

Collection: 2001-4-23

Time: 08:55

Client ID: 010423WA09P

Sample Description:

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



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010230
DATE REPORTED: 01-May-01
DATE RECEIVED: 23-Apr-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		2001-4-24 / 2001-4-24
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	qh		2001-4-24 / 2001-4-24
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-24 / 2001-4-24
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	qh		2001-4-24 / 2001-4-24
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-24 / 2001-4-24
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	qh		2001-4-24 / 2001-4-24
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	qh		2001-4-24 / 2001-4-24
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	qh		2001-4-24 / 2001-4-24
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	qh		2001-4-24 / 2001-4-24
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	qh		2001-4-24 / 2001-4-24
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	qh		2001-4-24 / 2001-4-24
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	qh		2001-4-24 / 2001-4-24
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	qh		2001-4-24 / 2001-4-24
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	qh		2001-4-24 / 2001-4-24
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	qh		2001-4-24 / 2001-4-24
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	qh		2001-4-24 / 2001-4-24
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-24 / 2001-4-24
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	qh		2001-4-24 / 2001-4-24
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	qh		2001-4-24 / 2001-4-24
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	qh		2001-4-24 / 2001-4-24
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	qh		2001-4-24 / 2001-4-24
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	qh		2001-4-24 / 2001-4-24
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	qh		2001-4-24 / 2001-4-24
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	qh		2001-4-24 / 2001-4-24
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	qh		2001-4-24 / 2001-4-24



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20010230
 DATE REPORTED: 01-May-01
 DATE RECEIVED: 23-Apr-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: 5/10/01
 James Chang, Ph.D., Lab Director

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

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

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

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

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

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.