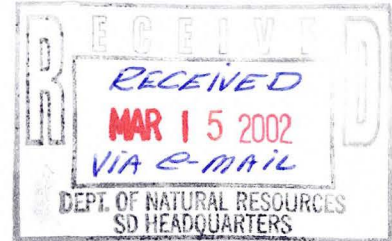


FEBRUARY 2002
**MONTHLY MONITORING REPORT
FOR THE
OCONOMOWOC ELECTROPLATING
GROUNDWATER TREATMENT FACILITY**

ASHIPPUN, WISCONSIN 53003



Prepared for:

**U.S. ARMY CORPS OF ENGINEERS
ST. PAUL DISTRICT
WINONA, MINNESOTA
CONTRACT DACW37-98-C-0009**

Prepared by:

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

March 15, 2002

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for February, 2002. 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.

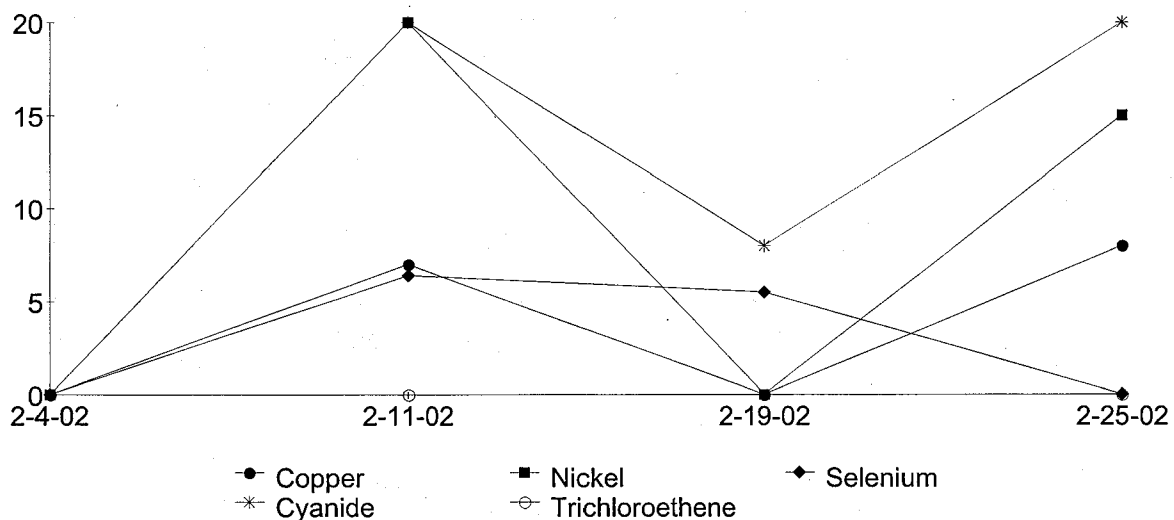
1.3 Effluent Monitoring

Weekly monitoring was conducted on February 4, 11, 19, and 25. The weekly samples for February were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in February showed no exceedences of the WDNR effluent discharge permit.

1.4 Monitoring Results

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

Chart 1 - 5 Important Indicator Parameters



2.0 Plant Permit Exceedences

There were no plant permit exceedences during the month of February of 2002.

3.0 Treatment Plant Shut Downs

The Treatment Plant had one shut down time during February, 2002. Table 1 shows the summary of the plant down times for the month of February, 2002.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
2/26-27-02	11.5	Shut Down due to High Effluent pH
TOTAL	11.5	

3.1 Shut Down Due To High Effluent pH

On February 27, at 5:00 A.M., the treatment plant was discovered shut down due to high effluent pH. The treatment plant had shut down at 5:30 P.M. on February 26. The shut down was anticipated because of the caustic cleansing of the Granulated Activated Carbon Filter to destroy the iron bacteria. This was the first time that this procedure was performed and the operators were not certain about how much acid would be needed to neutralize the Sodium Hydroxide that was needed. Inhibited Hydrochloric and Sulfamic Acid was added to the Floor Trench Sump to aid in neutralizing the pH from the backwashing of GAC-651 at the end of the work day on February 26. The treatment plant was restarted at 5:00 A.M. in the manual mode. The effluent pH was 9.1 and no discharging was allowed. The Extraction Well Pumps (EW-1/2/3/4/5) were shut off and 20% of the Equalization Tank (EQT-100) was transferred to the Sludge Holding Tank (ST-820) to compensate for the room needed to perform an effluent backwash on the Tertiary Filtration System (TF-600). The Sulfuric Acid System (SAP-751/752) was activated to speed up the pH neutralization in the effluent. At 7:30 A.M., the treatment system was put back into the Automatic mode after the effluent pH lowered to 8.9. APL, WDNR, and USACE were notified. The total down time was 11.5 hours.

4.0 Sludge Press Operations

The Sludge Filter Press (FP-800) was filled and emptied 1 time during the month of February, 2002. It was filled and emptied on February 21. The dewatered sludge is sampled 1 time per year. We have 90 days after the first opening of the press and dumping into the new hopper to have it removed from the site. The sludge was sampled on January 22, 2001. The old hopper was removed and a new hopper was set up on February 26, 2002. There were 14 filter press loads of dewatered sludge in the old hopper and 0 press loads in the new hopper at the end of February, 2002.

5.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on February 4, 11, 19, and 25, of 2002. The laboratory results of these samples show that all contaminants listed in the Requirements of the *Oconomowoc Electroplating Superfund Site Substantive WPDES Permit Requirements Summary (9/96)* comply with the permit. See Chart 1, Section 1.4 for *Important Indicator Parameters*.

During the month of February, 2002, the plant was shut down one time. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by March 15, 2002.

The Filter Press was filled and emptied 1 time during the month of February, 2002. The old hopper was removed and a new hopper was set up on February 26, 2002. There were 14 filter press loads of dewatered sludge in the old hopper and 0 press loads in the new hopper at the end of February, 2002.

On January 21, the EPA's Pilot Study was initiated. The Metals Package was by-passed and 2 24 hour turn around sample analyses were conducted (*the results are included with this report*). The Sodium Hypochlorite system was rerouted to the Equalization Tank (EQT-100) to kill off the Iron Bacteria that was seen throughout the treatment system. The February sampling results, also, include the sampling periods that were performed for the Pilot Study. Several bacterial testings were conducted to confirm that Iron Bacteria was present and that the Sodium Hypochlorite was killing it off (*the results are included with this report*). Daily testing for Total Chlorine in the effluent is performed to monitor it's removal efficiency.

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
Weekly Sampling Results			Date: 2-04-02			
Parameter	Influent	After TFT-601	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	6.9	7.4	8	N/A	8	Monitor
TSS	<1	<1	<1	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5/6<5/6	5
Barium	110	NT	NT	NT	90/90	400
Cadmium	<0.4	NT	NT	NT	<0.4/<0.4	0.5
Cadmium Total	<0.4	NT	NT	NT	<0.4/<0.4	Monitor
Recoverable						
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8/<8	10
Copper	<8	NT	NT	NT	<6/<6	Monitor
Iron	1000	NT	NT	NT	<81/<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5/<1.5	1.5
Manganese	140	NT	NT	NT	<6/<6	Monitor
Mercury	<0.2	NT	NT	NT	<0.2/<0.2	0.2
Nickel	20/30	20	20	NT	<11/<11	20
Selenium	<4.8	NT	NT	NT	<4.8/<4.8	10
Silver	<4	NT	NT	NT	<4/<4	10
Thallium	<1.3	NT	NT	NT	<1.3/<1.3	0.4
Zinc	<14	NT	NT	NT	<14/<14	Monitor
Cyanide	<6	<6	<6	NT	<6	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	9.9	4.8	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<1.8	<0.7	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethane	<1.7	<0.68	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethane Cis	25	7	<0.27	<0.27	<0.27	7
1,2-Dichloroethane Trans	14	3.5	<0.25	<0.25	<0.25	20
Ethylbenzene	<1.3	<0.5	<0.25	<0.25	<0.25	140
Methylene Chloride	<1.5	<0.6	<0.3	<0.3	<0.3	0.5
Tetrachloroethane	3.8	0.8	<0.31	<0.31	<0.31	0.5
Toluene	<1.5	<0.58	<0.29	<0.29	<0.29	88
1,1,1-Trichloroethane	88	22	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<2.2	<0.88	<0.44	<0.44	<0.44	0.5
TCE	327	97	<0.34	<0.34	<0.34	0.5
Vinyl Chloride	<1	<0.4	<0.2	<0.2	<0.2	0.2
Xylene Total	<2.7	<1.1	<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.

Effluent Composite Sample was duplicated.

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
Weekly Sampling Results						Date: 2-11-02
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	6.7	7.3	8	N/A	7.9	Monitor
TSS	14/<1	<1	<1	NT	<1	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	120	NT	NT	NT	100	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	<6	NT	NT	NT	7	Monitor
Iron	1100	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	150	NT	NT	NT	6	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	30/30	30	20	NT	20	20
Selenium	<4.8	NT	NT	NT	6.4	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	<14	NT	NT	NT	<14	Monitor
Cyanide	20	20	20	NT	20	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	12	6.8	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<0.35	<0.35	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	<0.34	0.67	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	20	18	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	5	3.1	<0.25	<0.25	<0.25	20
Ethylbenzene	<0.25	<0.25	<0.25	<0.25	<0.25	140
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	0.5
Tetrachloroethene	<0.31	0.66	<0.31	<0.31	<0.31	0.5
Toluene	<0.29	<0.29	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	50	26	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<0.44	<0.44	<0.44	<0.44	<0.44	0.5
TCE	200	130	<0.34	<0.34	<0.34	0.5
Vinyl Chloride	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Xylene Total	<0.53	<0.53	<0.53	<0.53	<0.53	124
Chlorine, Total	>200	NT	NT	NT	<40	38
COD	6.1	NT	NT	NT	8.4	Monitor
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor
Nitrate + Nitrite	NT	NT	NT	NT	0.9	Monitor
Ammonia Nitrogen	NT	NT	NT	NT	0.75	Monitor

mg/l

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mg/l

mg/l

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* Chlorine, Total = Weekly average.

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
Weekly Sampling Results			Date: 2-19-02			
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	6.9	7.3	N/A	N/A	7.8	Monitor
TSS	NT	NT	NT	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	90	NT	NT	NT	80	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	<6	NT	NT	NT	<6	Monitor
Iron	800	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	110	NT	NT	NT	9	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	20	NT	NT	NT	<11	20
Selenium	<4.8	NT	NT	NT	5.5	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	<14	NT	NT	NT	<14	Monitor
Cyanide	10	NT	NT	NT	8	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	16	NT	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<3.5	NT	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	8.1	NT	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	33	NT	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	12	NT	<0.25	<0.25	<0.25	20
Ethylbenzene	<2.5	NT	<0.25	<0.25	<0.25	140
Methylene Chloride	<3	NT	<0.3	0.4	<0.3	0.5
Tetrachloroethene	<3.1	NT	<0.31	<0.31	<0.31	0.5
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	100	NT	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5
TCE	320	NT	0.7	<0.34	<0.34	0.5
Vinyl Chloride	<2	NT	<0.2	<0.2	<0.2	0.2
Xylene Total	<5.3	NT	<0.53	<0.53	<0.53	124
Chlorine, Total	>200	NT	NT	NT	<40	38
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.

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* Chlorine, Total = Weekly average.

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
Weekly Sampling Results					Date:	2-25-02
Parameter	Influent	After FT-311	After Air Stripper	After Carbon Filters	Effluent	WDNR Site Permit ug/l
pH	6.9	7.3	8	N/A	7.9	Monitor
TSS	<1	<1	<1	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	110	NT	NT	NT	100	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	<6	NT	NT	NT	8	Monitor
Iron	1100	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	110	NT	NT	NT	30	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	14/10	60	20	NT	15	20
Selenium	<4.8	NT	NT	NT	<4.8	10
Silver	<4	NT	NT	NT	4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	<14	NT	NT	NT	<14	Monitor
Cyanide	20	10	10	NT	20	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	14	<1.6	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<3.5	<1.8	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	<3.4	5.2	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	27	11	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	5.5	1.9	<0.25	<0.25	<0.25	20
Ethylbenzene	<2.5	<1.3	<0.25	<0.25	<0.25	140
Methylene Chloride	<3	<1.5	<0.3	<0.3	<0.3	0.5
Tetrachloroethene	<3.1	4.7	<0.31	<0.31	<0.31	0.5
Toluene	<2.9	<1.5	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	61	18	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<4.4	<2.2	<0.44	<0.44	<0.44	0.5
TCE	220	78	<0.34	<0.34	<0.34	0.5
Vinyl Chloride	<2	<1	<0.2	<0.2	<0.2	0.2
Xylene Total	<5.3	7.8	<0.53	<0.53	<0.53	124
Chlorine, Total	61	NT	NT	NT	<40	38
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.

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mg/l = Milligrams per Liter.

* Chlorine, Total = Weekly average.

OCONOMOWOC GROUNDWATER TREATMENT PLANT		
BACTERIA		
DAYS	INFLUENT 2/9-18/02	INFLUENT 2/18-28/02
1	LIGHT YELLOW	DARK YELLOW
2	LIGHT YELLOW	DARK YELLOW
3	LIGHT YELLOW	DARK YELLOW
4	LIGHT YELLOW	DARK YELLOW/BROWN SCUM
5	LIGHT YELLOW/BROWN BUBBLES	DARK YELLOW/BROWN SCUM
6	LIGHT YELLOW/BROWN BUBBLES	DARK YELLOW/BROWN SCUM
7	LIGHT YELLOW/BROWN BUBBLES	DARK YELLOW/BROWN SCUM
8	LIGHT YELLOW/BROWN BUBBLES	DARK YELLOW/BROWN SCUM

FOAM/BUBBLES=ANAEROBIC BACTERIA.
 GREEN=PSEUDOMONADS.
 BLACK=PSEUDOMONADS AND ENTERICS.
 YELLOW=NO BACTERIA
 BROWN=IRON BACTERIA
 YELLOW=NEGATIVE

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: FEB.	FE-100 FLOW	TOTAL DAY'S	DAILY FLOW	
DAY	TOTALIZER	FLOW (GAL.)	MGD	
1	7,415,995.00	26,417.00	0.026	SHUT DOWN
2	7,442,412.00	32,392.00	0.032	
3	7,474,804.00	38,080.00	0.038	
4	7,512,884.00	31,481.00	0.031	
5	7,544,365.00	31,010.00	0.031	
6	7,575,375.00	30,420.00	0.030	
7	7,605,795.00	30,575.00	0.031	
8	7,636,370.00	18,990.00	0.019	
9	7,655,360.00	36,738.00	0.037	
10	7,692,098.00	36,189.00	0.036	
11	7,728,287.00	29,952.00	0.030	
12	7,758,239.00	30,799.00	0.031	
13	7,789,038.00	24,175.00	0.024	
14	7,813,213.00	36,105.00	0.036	SHUT DOWN
15	7,849,318.00	19,569.00	0.020	
16	7,868,887.00	39,357.00	0.039	SHUT DOWN
17	7,908,244.00	32,087.00	0.032	
18	7,940,331.00	53,219.00	0.053	
19	7,993,550.00	30,125.00	0.030	
20	8,023,675.00	34,808.00	0.035	
21	8,058,483.00	34,472.00	0.034	
22	8,092,955.00	24,137.00	0.024	
23	8,117,092.00	31,682.00	0.032	
24	8,148,774.00	44,878.00	0.045	
25	8,193,652.00	32,167.00	0.032	
26	8,225,819.00	13,908.00	0.014	SHUT DOWN
27	8,239,727.00	33,760.00	0.034	
28	8,273,487.00	32,377.00	0.032	SHUT DOWN
March 01	8,305,864.00			
		TOTAL	0.888	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2002			
MONTH: FEB.	FE-112 FLOW	TOTAL DAY'S	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	7,841,949.00	29,922.00	0.030
2	7,871,871.00	36,554.00	0.037
3	7,908,425.00	43,438.00	0.043
4	7,951,883.00	35,025.00	0.035
5	7,986,888.00	34,980.00	0.035
6	8,021,858.00	34,718.00	0.035
7	8,056,588.00	35,140.00	0.035
8	8,091,726.00	21,865.00	0.022
9	8,113,591.00	40,544.00	0.041
10	8,154,135.00	39,913.00	0.040
11	8,194,049.00	33,630.00	0.034
12	8,227,678.00	35,122.00	0.035
13	8,262,800.00	37,008.00	0.037
14	8,298,808.00	39,828.00	0.040
15	8,339,636.00	21,297.00	0.021
16	8,360,933.00	41,550.50	0.042
17	8,402,483.50	41,550.50	0.042
18	8,444,034.00	61,043.00	0.061
19	8,506,077.00	33,418.00	0.033
20	8,538,495.00	40,453.00	0.040
21	8,578,948.00	40,641.00	0.041
22	8,619,589.00	30,928.00	0.031
23	8,650,517.00	46,112.00	0.046
24	8,896,629.00	63,891.00	0.064
25	8,760,520.00	41,848.00	0.042
26	8,802,368.00	23,595.00	0.024
27	8,825,963.00	38,866.00	0.039
28	8,864,829.00	41,962.00	0.042
March 01	8,906,791.00		

SHUT DOWN
SHUT DOWN

TOTAL 1.067
AVERAGE 0.038

FLOW FROM EXTRACTION WELLS

YEAR: 2002				
MONTH: FEB.	FIT-100 FLOW	TOTAL DAY'S	DAILY FLOW	
DAY	TOTALIZER	FLOW (GAL.)	MGD	
1	1,851,637.10	26,476.60	0.026	SHUT DOWN
2	1,876,113.70	32,520.10	0.033	
3	1,810,633.60	38,187.30	0.038	
4	1,948,821.10	31,590.80	0.032	
5	1,980,411.90	31,091.20	0.031	
6	2,011,503.10	30,512.70	0.031	
7	2,042,015.80	30,581.10	0.031	
8	2,072,596.90	18,066.20	0.018	
9	2,090,683.10	37,768.00	0.038	
10	2,128,471.10	36,311.50	0.036	
11	2,164,782.60	30,032.30	0.030	
12	2,194,814.90	30,918.60	0.031	
13	2,225,733.50	24,971.20	0.025	
14	2,250,704.70	36,490.20	0.036	SHUT DOWN
15	2,287,194.90	18,854.00	0.019	
16	2,306,048.90	39,827.20	0.040	SHUT DOWN
17	2,345,876.10	31,167.40	0.031	
18	2,377,043.50	54,435.20	0.054	
19	2,431,478.70	30,329.60	0.030	
20	2,461,808.30	34,849.60	0.035	
21	2,496,657.90	34,614.30	0.035	
22	2,531,272.20	24,176.20	0.024	
23	2,555,448.40	31,749.20	0.032	
24	2,587,197.60	45,040.60	0.045	
25	2,632,238.20	32,319.60	0.032	
26	2,664,557.80	13,953.30	0.014	SHUT DOWN
27	2,678,511.10	33,985.80	0.034	
28	2,712,496.90	32,389.60	0.032	SHUT DOWN
March 01	2,744,886.50			
		TOTAL	0.893	
		AVERAGE	0.032	

FLOW FROM EQT-100

YEAR: 2002			
MONTH: FEB.	FIT-112 FLOW	TOTAL DAYS	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	8,128,881.40	29,945.40	0.030
2	8,156,626.80	36,660.50	0.037
3	8,193,287.30	43,544.60	0.044
4	8,236,831.90	35,099.20	0.035
5	8,271,931.10	35,073.00	0.035
6	8,307,004.10	34,822.00	0.035
7	8,341,826.10	35,223.00	0.035
8	8,377,049.10	20,745.00	0.021
9	8,397,794.10	41,813.60	0.042
10	8,439,607.70	40,019.60	0.040
11	8,479,627.30	33,718.50	0.034
12	8,513,345.80	35,245.30	0.035
13	8,548,591.10	37,124.50	0.037
14	8,585,715.60	40,209.50	0.040
15	8,625,925.10	20,379.60	0.020
16	8,646,304.70	46,486.80	0.046
17	8,692,791.50	36,147.10	0.036
18	8,728,938.60	62,552.50	0.063
19	8,791,491.10	33,563.00	0.034
20	8,825,054.10	40,562.40	0.041
21	8,865,616.50	40,634.60	0.041
22	8,906,251.10	30,873.40	0.031
23	8,937,124.50	45,029.10	0.045
24	8,982,153.60	65,238.10	0.065
25	9,047,391.70	41,860.80	0.042
26	9,089,252.50	24,052.10	0.024
27	9,113,304.80	39,796.50	0.040
28	9,153,101.10	41,266.20	0.041
March 01	9,194,387.30		

SHUT DOWN
SHUT DOWN

TOTAL 1.069
AVERAGE 0.038

EFFLUENT FLOW FROM PLANT

YEAR: 2002			
MONTH: FEB.	NPDES STATION	TOTAL DAY'S	DAILY FLOW
DAY	TOTALIZER	FLOW (GAL.)	MGD
1	161,376.60	26,161.90	0.026
2	187,538.60	32,408.40	0.032
3	219,948.90	39,862.80	0.040
4	259,809.70	32,388.60	0.032
5	292,198.30	30,825.20	0.031
6	323,123.50	31,640.00	0.032
7	354,763.50	29,289.40	0.029
8	384,052.90	22,371.40	0.022
9	406,424.30	33,492.00	0.033
10	439,916.30	37,740.50	0.038
11	477,656.80	30,095.60	0.030
12	507,752.40	29,552.00	0.030
13	537,304.40	32,463.00	0.032
14	569,767.40	34,579.60	0.035
15	604,347.00	21,598.90	0.022
16	625,945.90	40,958.20	0.041
17	666,904.10	33,712.10	0.034
18	700,616.20	54,179.50	0.054
19	754,795.70	26,987.00	0.027
20	781,782.70	36,686.20	0.037
21	818,468.90	35,346.90	0.035
22	853,815.80	24,288.30	0.024
23	878,104.10	30,229.70	0.030
24	908,333.80	47,321.30	0.047
25	955,655.10	38,160.70	0.038
26	993,815.80	14,649.20	0.015
27	1,008,465.00	31,683.00	0.032
28	1,040,148.00	35,975.00	0.036
March 01	1,076,123.00		

SHUT DOWN
SHUT DOWN

0.914
0.033

PRECIPITATION

YEAR: 2002	
MONTH: FEB.	RAINFALL
DAY	(INCHES)
1	0.25
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.35
11	0.10
12	0.00
13	0.00
14	0.00
15	0.00
16	0.00
17	0.00
18	0.00
19	0.65
20	0.30
21	0.35
22	0.00
23	0.00
24	0.00
25	0.10
26	0.00
27	0.10
28	0.00
TOTAL	2.20

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW02DP	MW03SP	MW05SP	MW05DP	MW06P	MW11BP
January 4, 2002	6.71	DRY	3.98	4.65	DRY	COVERED
February 6-7, 2002	7.03	DRY	DRY	4.82	DRY	COVERED

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEV		FEET			
DATE	MW07P	MW08P	MW09SP			
January 04, 2002	DRY	4.21	6.32			
February 6-7, 2002	DRY	4.54	6.81			

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
January 4, 2002	4.72	4.27	5.64	4.07	10.11	3.39
February 6-7, 2002	5.11	4.51	5.98	4.31	10.39	3.59

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS	WATER LEVEL			FEET		
DATE	MW01DP	MW01SP	MW02SP	MW03DP	MW04DP	MW04SP
January 04, 2002	6.71	6.28	DRY	8.47	9.20	7.81
February 6-7, 2002	7.05	6.49	DRY	8.55	9.45	7.95

PILOT STUDY-WEEK #3

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
Weekly Sampling Results					Date:	2-4-02
Parameter	Influent V-104	After TFT-801 V-502	After DAS V-622	After GAC's V-654*	Effluent V-740	WDNR Site Permit ug/l
pH	6.9	7.4	8	N/A	8	Monitor
TSS	<1	<1	<1	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	110	NT	NT	NT	90	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	<6	NT	NT	NT	<6	Monitor
Iron	1000	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	140	NT	NT	NT	<6	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	30	20	20	NT	<11	20
Selenium	<4.8	NT	NT	NT	<4.8	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	<14	NT	NT	NT	<14	Monitor
Cyanide	<6	<6	<6	NT	<6	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	9.9	4.8	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<1.8	<0.7	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	<1.7	<0.68	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	25	7	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	14	3.5	<0.25	<0.25	<0.25	20
Ethylbenzene	<1.3	<0.5	<0.25	<0.25	<0.25	140
Methylene Chloride	<1.5	<0.6	<0.3	<0.3	<0.3	0.5
Tetrachloroethene	3.8	0.8	<0.31	<0.31	<0.31	0.5
Toluene	<1.5	<0.58	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	88	22	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<2.2	<0.88	<0.44	<0.44	<0.44	0.5
TCE	327	97	<0.34	<0.34	<0.34	0.5
Vinyl Chloride	<1	<0.4	<0.2	<0.2	<0.2	0.2
Xylene Total	<2.7	<1.1	<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.

PILOT STUDY-WEEK # 4

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results						Date:	2-11-02
Parameter	Influent V-104	After TFT-601 V-502	After DAS V-622	After GAC's V-654	Effluent V-740	WDNR Site Permit ug/l	
pH	6.8	7.3	8	N/A	7.9	Monitor	
TSS	14/<1	<1	<1	NT	<1	Monitor	mg/l
Arsenic	<5.6	NT	NT	NT	<5.6	5	
Barium	120	NT	NT	NT	100	400	
Cadmium	<0.4	NT	NT	NT	<0.4	0.5	
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor	
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor	
Chromium Total	<8	NT	NT	NT	<8	10	
Copper	<6	NT	NT	NT	7	Monitor	
Iron	1100	NT	NT	NT	<81	Monitor	
Lead	<1.5	NT	NT	NT	<1.5	1.5	
Manganese	150	NT	NT	NT	8	Monitor	
Mercury	<0.2	NT	NT	NT	<0.2	0.2	
Nickel	30/30	30	20	NT	20	20	
Selenium	<4.8	NT	NT	NT	6.4	10	
Silver	<4	NT	NT	NT	<4	10	
Thallium	<1.3	NT	NT	NT	<1.3	0.4	
Zinc	<14	NT	NT	NT	<14	Monitor	
Cyanide	20	20	20	NT	20	40	
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor	
1,1-Dichloroethane	12	6.8	<0.32	<0.32	<0.32	85	
1,2-Dichloroethane	<0.35	<0.35	<0.35	<0.35	<0.35	0.5	
1,1-Dichloroethene	<0.34	0.67	<0.34	<0.34	<0.34	0.7	
1,2-Dichloroethene Cis	20	18	<0.27	<0.27	<0.27	7	
1,2-Dichloroethene Trans	5	3.1	<0.25	<0.25	<0.25	20	
Ethylbenzene	<0.25	<0.25	<0.25	<0.25	<0.25	140	
Methylene Chloride	<0.3	<0.3	<0.3	<0.3	<0.3	0.5	
Tetrachloroethene	<0.31	0.65	<0.31	<0.31	<0.31	0.5	
Toluene	<0.29	<0.29	<0.29	<0.29	<0.29	68	
1,1,1-Trichloroethane	50	26	<0.31	<0.31	<0.31	40	
1,1,2-Trichloroethane	<0.44	<0.44	<0.44	<0.44	<0.44	0.5	
TCE	200	130	<0.34	<0.34	<0.34	0.5	
Vinyl Chloride	<0.2	<0.2	<0.2	<0.2	<0.2	0.2	
Xylene Total	<0.53	<0.53	<0.53	<0.53	<0.53	124	
COD	6.1	NT	NT	NT	8.4	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	<0.1	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.9	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.75	Monitor	mg/l

NT = Not Tested.

N/A = Not Applicable at this time.

ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.

PILOT STUDY-WEEK # 5

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
Weekly Sampling Results					Date:	2-19-02
Parameter	Influent V-104	After TFT-601 V-502	After DAS V-622	After GAC's V-654	Effluent V-740	WDNR Site Permit ug/l
pH	8.9	7.3	N/A	N/A	7.8	Monitor
TSS	NT	NT	NT	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	90	NT	NT	NT	80	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	<6	NT	NT	NT	<6	Monitor
Iron	800	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	110	NT	NT	NT	9	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	20	NT	NT	NT	<11	20
Selenium	<4.8	NT	NT	NT	5.5	10
Silver	<4	NT	NT	NT	<4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	<14	NT	NT	NT	<14	Monitor
Cyanide	10	NT	NT	NT	8	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	16	NT	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<3.5	NT	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	8.1	NT	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	33	NT	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	12	NT	<0.25	<0.25	<0.25	20
Ethylbenzene	<2.5	NT	<0.25	<0.25	<0.25	140
Methylene Chloride	<3	NT	<0.3	0.4	<0.3	0.5
Tetrachloroethene	<3.1	NT	<0.31	<0.31	<0.31	0.5
Toluene	<2.9	NT	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	100	NT	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<4.4	NT	<0.44	<0.44	<0.44	0.5
TCE	320	NT	0.7	<0.34	<0.34	0.5
Vinyl Chloride	<2	NT	<0.2	<0.2	<0.2	0.2
Xylene Total	<5.3	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.

PILOT STUDY-WEEK # 6

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
Weekly Sampling Results					Date:	2-25-02
Parameter	Influent V-104	After TFT-501 V-502	After DAS V-822	After GAC's V-654	Effluent V-740	WDNR Site Permit ug/l
pH	6.9	7.3	8	N/A	7.9	Monitor
TSS	<1	<1	<1	NT	NT	Monitor
Arsenic	<5.6	NT	NT	NT	<5.6	5
Barium	110	NT	NT	NT	100	400
Cadmium	<0.4	NT	NT	NT	<0.4	0.5
Cadmium Total Recoverable	<0.4	NT	NT	NT	<0.4	Monitor
Chromium +6	<4.2	NT	NT	NT	<4.2	Monitor
Chromium Total	<8	NT	NT	NT	<8	10
Copper	<6	NT	NT	NT	8	Monitor
Iron	1100	NT	NT	NT	<81	Monitor
Lead	<1.5	NT	NT	NT	<1.5	1.5
Manganese	110	NT	NT	NT	30	Monitor
Mercury	<0.2	NT	NT	NT	<0.2	0.2
Nickel	14/10	60	20	NT	15	20
Selenium	<4.8	NT	NT	NT	<4.8	10
Silver	<4	NT	NT	NT	4	10
Thallium	<1.3	NT	NT	NT	<1.3	0.4
Zinc	<14	NT	NT	NT	<14	Monitor
Cyanide	20	10	10	NT	20	40
Cyanide Amenable	<6	NT	NT	NT	<6	Monitor
1,1-Dichloroethane	14	<1.6	<0.32	<0.32	<0.32	85
1,2-Dichloroethane	<3.5	<1.8	<0.35	<0.35	<0.35	0.5
1,1-Dichloroethene	<3.4	5.2	<0.34	<0.34	<0.34	0.7
1,2-Dichloroethene Cis	27	11	<0.27	<0.27	<0.27	7
1,2-Dichloroethene Trans	5.5	1.9	<0.25	<0.25	<0.25	20
Ethylbenzene	<2.5	<1.3	<0.25	<0.25	<0.25	140
Methylene Chloride	<3	<1.5	<0.3	<0.3	<0.3	0.5
Tetrachloroethene	<3.1	4.7	<0.31	<0.31	<0.31	0.5
Toluene	<2.9	<1.5	<0.29	<0.29	<0.29	68
1,1,1-Trichloroethane	61	18	<0.31	<0.31	<0.31	40
1,1,2-Trichloroethane	<4.4	<2.2	<0.44	<0.44	<0.44	0.5
TCE	220	78	<0.34	<0.34	<0.34	0.5
Vinyl Chloride	<2	<1	<0.2	<0.2	<0.2	0.2
Xylene Total	<5.3	7.8	<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.

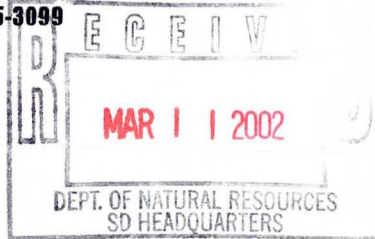
ug/l = Micrograms per Liter.

mg/l = Milligrams per Liter.



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

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



ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 27415	QC Prep Batch Number: 999786					Collection: 2/4/2002			Time: 10:18
Client ID: 020204WA01P						Sample Description:			
1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5	8260	qh		2/15/2002 / 2/15/2002
1,1,1-Trichloroethane	88	ug/l	1.6	4.9	5	8260	qh		2/15/2002 / 2/15/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		2/15/2002 / 2/15/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5	8260	qh		2/15/2002 / 2/15/2002
1,1-Dichloroethane	9.9	ug/l	1.6	5.1	5	8260	qh		2/15/2002 / 2/15/2002
1,1-Dichloroethene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2/15/2002 / 2/15/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5	8260	qh		2/15/2002 / 2/15/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5	8260	qh		2/15/2002 / 2/15/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5	8260	qh		2/15/2002 / 2/15/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5	8260	qh		2/15/2002 / 2/15/2002
1,2,4-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	5	8260	qh		2/15/2002 / 2/15/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5	8260	qh		2/15/2002 / 2/15/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2/15/2002 / 2/15/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5	8260	qh		2/15/2002 / 2/15/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5	8260	qh		2/15/2002 / 2/15/2002
1,3,5-Trimethylbenzene	< 1.7	ug/l	1.7	5.4	5	8260	qh		2/15/2002 / 2/15/2002
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2/15/2002 / 2/15/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5	8260	qh		2/15/2002 / 2/15/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5	8260	qh		2/15/2002 / 2/15/2002
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5	8260	qh		2/15/2002 / 2/15/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5	8260	qh		2/15/2002 / 2/15/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5	8260	qh		2/15/2002 / 2/15/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5	8260	qh		2/15/2002 / 2/15/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5	8260	qh		2/15/2002 / 2/15/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2/15/2002 / 2/15/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5	8260	qh		2/15/2002 / 2/15/2002
Acetone	< 7.8	ug/l	7.8	25	5	8260	qh		2/15/2002 / 2/15/2002
Benzene	< 1.4	ug/l	1.4	4.3	5	8260	qh		2/15/2002 / 2/15/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5	8260	qh		2/15/2002 / 2/15/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5	8260	qh		2/15/2002 / 2/15/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5	8260	qh		2/15/2002 / 2/15/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5	8260	qh		2/15/2002 / 2/15/2002
Bromomethane	< 3.3	ug/l	3.3	10	5	8260	qh		2/15/2002 / 2/15/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5	8260	qh		2/15/2002 / 2/15/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5	8260	qh		2/15/2002 / 2/15/2002
Chloroethane	< 3.2	ug/l	3.2	10	5	8260	qh		2/15/2002 / 2/15/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5	8260	qh		2/15/2002 / 2/15/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5	8260	qh		2/15/2002 / 2/15/2002
cis-1,2-Dichloroethene	25	ug/l	1.4	4.3	5	8260	qh		2/15/2002 / 2/15/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5	8260	qh		2/15/2002 / 2/15/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5	8260	qh		2/15/2002 / 2/15/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	2/15/2002 / 2/15/2002
Dichlorodifluoromethane	<1.4	ug/l	1.4	4.3	5		8260	qh	2/15/2002 / 2/15/2002
Ethylbenzene	<1.3	ug/l	1.3	4.0	5		8260	qh	2/15/2002 / 2/15/2002
Hexachlorobutadiene	<2.1	ug/l	2.1	6.7	5		8260	qh	2/15/2002 / 2/15/2002
Isopropyl Ether	<1.5	ug/l	1.5	4.8	5		8260	qh	2/15/2002 / 2/15/2002
Isopropylbenzene	<1.7	ug/l	1.7	5.2	5		8260	qh	2/15/2002 / 2/15/2002
m&p-xylene	<2.7	ug/l	2.7	8.4	5		8260	qh	2/15/2002 / 2/15/2002
Methyl-t-butyl ether	<2.0	ug/l	2.0	6.2	5		8260	qh	2/15/2002 / 2/15/2002
Methylene chloride	<1.5	ug/l	1.5	4.8	5		8260	qh	2/15/2002 / 2/15/2002
n-Butylbenzene	<1.8	ug/l	1.8	5.7	5		8260	qh	2/15/2002 / 2/15/2002
n-Propylbenzene	<1.4	ug/l	1.4	4.5	5		8260	qh	2/15/2002 / 2/15/2002
Naphthalene	<3.8	ug/l	3.8	12	5		8260	qh	2/15/2002 / 2/15/2002
o-xylene	<1.3	ug/l	1.3	4.0	5		8260	qh	2/15/2002 / 2/15/2002
p-Isopropyltoluene	<1.6	ug/l	1.6	4.9	5		8260	qh	2/15/2002 / 2/15/2002
sec-Butylbenzene	<1.7	ug/l	1.7	5.4	5		8260	qh	2/15/2002 / 2/15/2002
Styrene	<1.3	ug/l	1.3	4.0	5		8260	qh	2/15/2002 / 2/15/2002
tert-Butylbenzene	<1.5	ug/l	1.5	4.8	5		8260	qh	2/15/2002 / 2/15/2002
Tetrachloroethene	3.8	ug/l	1.6	4.9	5	J	8260	qh	2/15/2002 / 2/15/2002
Toluene	<1.5	ug/l	1.5	4.6	5		8260	qh	2/15/2002 / 2/15/2002
trans-1,2-Dichloroethene	14	ug/l	1.3	4.0	5		8260	qh	2/15/2002 / 2/15/2002
trans-1,3-Dichloropropene	<1.3	ug/l	1.3	4.1	5		8260	qh	2/15/2002 / 2/15/2002
Trichloroethene	327	ug/l	1.7	5.4	5		8260	qh	2/15/2002 / 2/15/2002
Trichlorofluoromethane	<1.2	ug/l	1.2	3.8	5		8260	qh	2/15/2002 / 2/15/2002
Vinyl chloride	<1.0	ug/l	1.0	3.2	5		8260	qh	2/15/2002 / 2/15/2002

Sample Number: 27417

QC Prep Batch Number: 999786

Collection: 2/4/2002

Time: 10:14

Client ID: 020204WA04Q

Sample Description:

1,1,1,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	2		8260	qh	2/15/2002 / 2/15/2002
1,1,1-Trichloroethane	22	ug/l	0.62	2.0	2		8260	qh	2/15/2002 / 2/15/2002
1,1,2,2-Tetrachloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	2/15/2002 / 2/15/2002
1,1,2-Trichloroethane	<0.88	ug/l	0.88	2.8	2		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethane	4.8	ug/l	0.64	2.0	2		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethene	<0.68	ug/l	0.68	2.2	2		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloropropene	<0.86	ug/l	0.86	2.7	2		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichlorobenzene	<1.0	ug/l	1.0	3.2	2		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichloropropane	<1.0	ug/l	1.0	3.2	2		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trichlorobenzene	<0.94	ug/l	0.94	3.0	2		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trimethylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	2/15/2002 / 2/15/2002
1,2-Dibromoethane	<0.92	ug/l	0.92	2.9	2		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichlorobenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloroethane	<0.70	ug/l	0.70	2.2	2		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloropropane	<0.64	ug/l	0.64	2.0	2		8260	qh	2/15/2002 / 2/15/2002
1,3,5-Trimethylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	2/15/2002 / 2/15/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	<0.52	ug/l	0.52	1.7	2		8260	qh	2/15/2002 / 2/15/2002
1,3-Dichloropropane	<0.78	ug/l	0.78	2.5	2		8260	qh	2/15/2002 / 2/15/2002
1,4-Dichlorobenzene	<0.72	ug/l	0.72	2.3	2		8260	qh	2/15/2002 / 2/15/2002
1,2-Dibromo-3-chloropropan	<0.66	ug/l	0.66	2.1	2		8260	qh	2/15/2002 / 2/15/2002
2,2-Dichloropropane	<0.54	ug/l	0.54	1.7	2		8260	qh	2/15/2002 / 2/15/2002
2-Butanone (MEK)	<2.8	ug/l	2.8	8.8	2		8260	qh	2/15/2002 / 2/15/2002
2-Chloroethyl Vinyl Ether	<1.4	ug/l	1.4	4.5	2		8260	qh	2/15/2002 / 2/15/2002
2-Chlorotoluene	<0.60	ug/l	0.60	1.9	2		8260	qh	2/15/2002 / 2/15/2002
4-Chlorotoluene	<0.52	ug/l	0.52	1.7	2		8260	qh	2/15/2002 / 2/15/2002
4-Methyl-2-Pentanone	<1.6	ug/l	1.6	5.1	2		8260	qh	2/15/2002 / 2/15/2002
Acetone	<3.1	ug/l	3.1	9.9	2		8260	qh	2/15/2002 / 2/15/2002
Benzene	<0.54	ug/l	0.54	1.7	2		8260	qh	2/15/2002 / 2/15/2002
Bromobenzene	<0.62	ug/l	0.62	2.0	2		8260	qh	2/15/2002 / 2/15/2002
Bromochloromethane	<0.74	ug/l	0.74	2.4	2		8260	qh	2/15/2002 / 2/15/2002
Bromodichloromethane	3.8	ug/l	0.76	2.4	2		8260	qh	2/15/2002 / 2/15/2002
Bromoform	<0.78	ug/l	0.78	2.5	2		8260	qh	2/15/2002 / 2/15/2002
Bromomethane	<1.3	ug/l	1.3	4.1	2		8260	qh	2/15/2002 / 2/15/2002
Carbon tetrachloride	<0.54	ug/l	0.54	1.7	2		8260	qh	2/15/2002 / 2/15/2002
Chlorobenzene	<0.52	ug/l	0.52	1.7	2		8260	qh	2/15/2002 / 2/15/2002
Chloroethane	<1.3	ug/l	1.3	4.1	2		8260	qh	2/15/2002 / 2/15/2002
Chloroform	3.3	ug/l	0.48	1.5	2		8260	qh	2/15/2002 / 2/15/2002
Chloromethane	<0.98	ug/l	0.98	3.1	2		8260	qh	2/15/2002 / 2/15/2002
cis-1,2-Dichloroethene	7.0	ug/l	0.54	1.7	2		8260	qh	2/15/2002 / 2/15/2002
cis-1,3-Dichloropropene	<0.74	ug/l	0.74	2.4	2		8260	qh	2/15/2002 / 2/15/2002
Dibromochloromethane	0.98	ug/l	0.82	2.6	2	J	8260	qh	2/15/2002 / 2/15/2002
Dibromomethane	<0.92	ug/l	0.92	2.9	2		8260	qh	2/15/2002 / 2/15/2002
Dichlorodifluoromethane	<0.54	ug/l	0.54	1.7	2		8260	qh	2/15/2002 / 2/15/2002
Ethylbenzene	<0.50	ug/l	0.50	1.6	2		8260	qh	2/15/2002 / 2/15/2002
Hexachlorobutadiene	<0.84	ug/l	0.84	2.7	2		8260	qh	2/15/2002 / 2/15/2002
Isopropyl Ether	<0.60	ug/l	0.60	1.9	2		8260	qh	2/15/2002 / 2/15/2002
Isopropylbenzene	<0.66	ug/l	0.66	2.1	2		8260	qh	2/15/2002 / 2/15/2002
m&p-xylene	<1.1	ug/l	1.1	3.4	2		8260	qh	2/15/2002 / 2/15/2002
Methyl-t-butyl ether	<0.78	ug/l	0.78	2.5	2		8260	qh	2/15/2002 / 2/15/2002
Methylene chloride	<0.60	ug/l	0.60	1.9	2		8260	qh	2/15/2002 / 2/15/2002
n-Butylbenzene	<0.72	ug/l	0.72	2.3	2		8260	qh	2/15/2002 / 2/15/2002
n-Propylbenzene	<0.56	ug/l	0.56	1.8	2		8260	qh	2/15/2002 / 2/15/2002
Naphthalene	<1.5	ug/l	1.5	4.8	2		8260	qh	2/15/2002 / 2/15/2002
o-xylene	<0.50	ug/l	0.50	1.6	2		8260	qh	2/15/2002 / 2/15/2002
p-Isopropyltoluene	<0.62	ug/l	0.62	2.0	2		8260	qh	2/15/2002 / 2/15/2002
sec-Butylbenzene	<0.68	ug/l	0.68	2.2	2		8260	qh	2/15/2002 / 2/15/2002
Styrene	<0.50	ug/l	0.50	1.6	2		8260	qh	2/15/2002 / 2/15/2002
tert-Butylbenzene	<0.60	ug/l	0.60	1.9	2		8260	qh	2/15/2002 / 2/15/2002
Tetrachloroethene	0.80	ug/l	0.62	2.0	2	J	8260	qh	2/15/2002 / 2/15/2002
Toluene	<0.58	ug/l	0.58	1.8	2		8260	qh	2/15/2002 / 2/15/2002
trans-1,2-Dichloroethene	3.5	ug/l	0.50	1.6	2		8260	qh	2/15/2002 / 2/15/2002

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: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	< 0.52	ug/l	0.52	1.7	2		8260	qh	2/15/2002 / 2/15/2002
Trichloroethene	97	ug/l	0.68	2.2	2		8260	qh	2/15/2002 / 2/15/2002
Trichlorofluoromethane	< 0.48	ug/l	0.48	1.5	2		8260	qh	2/15/2002 / 2/15/2002
Vinyl chloride	< 0.40	ug/l	0.40	1.3	2		8260	qh	2/15/2002 / 2/15/2002

Sample Number: 27419

QC Prep Batch Number: 999786

Collection: 2/4/2002

Time: 10:02

Client ID: 020204WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/15/2002 / 2/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/15/2002 / 2/15/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/15/2002 / 2/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/15/2002 / 2/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/15/2002 / 2/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/15/2002 / 2/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/15/2002 / 2/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/15/2002 / 2/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/15/2002 / 2/15/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	0.25	ug/l	0.24	0.76	1	J	8260	qh	2/15/2002 / 2/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/15/2002 / 2/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/15/2002 / 2/15/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/15/2002 / 2/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/15/2002 / 2/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/15/2002 / 2/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/15/2002 / 2/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/15/2002 / 2/15/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/15/2002 / 2/15/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/15/2002 / 2/15/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/15/2002 / 2/15/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/15/2002 / 2/15/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/15/2002 / 2/15/2002

Sample Number: 27421

QC Prep Batch Number: 999786

Collection: 2/4/2002

Time: 10:05

Client ID: 020204WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	qh	2/15/2002 / 2/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	2/15/2002 / 2/15/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/15/2002 / 2/15/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/15/2002 / 2/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/15/2002 / 2/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/15/2002 / 2/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/15/2002 / 2/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/15/2002 / 2/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/15/2002 / 2/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/15/2002 / 2/15/2002
Chloroform	1.2	ug/l	0.24	0.76	1		8260	qh	2/15/2002 / 2/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/15/2002 / 2/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/15/2002 / 2/15/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/15/2002 / 2/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/15/2002 / 2/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/15/2002 / 2/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/15/2002 / 2/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/15/2002 / 2/15/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/15/2002 / 2/15/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/15/2002 / 2/15/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002

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: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	2/15/2002 / 2/15/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	2/15/2002 / 2/15/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	2/15/2002 / 2/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	2/15/2002 / 2/15/2002

Sample Number: 27422

QC Prep Batch Number: 999786

Collection: 2/4/2002

Time: 10:07

Client ID: 020204WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1		8260	qh	2/15/2002 / 2/15/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1		8260	qh	2/15/2002 / 2/15/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1		8260	qh	2/15/2002 / 2/15/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	qh	2/15/2002 / 2/15/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	qh	2/15/2002 / 2/15/2002
1,2-Dibromo-3-chloropropane	<0.33	ug/l	0.33	1.0	1		8260	qh	2/15/2002 / 2/15/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	qh	2/15/2002 / 2/15/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	qh	2/15/2002 / 2/15/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	qh	2/15/2002 / 2/15/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	qh	2/15/2002 / 2/15/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	qh	2/15/2002 / 2/15/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	2/15/2002 / 2/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/15/2002 / 2/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/15/2002 / 2/15/2002
Chloroform	2.4	ug/l	0.24	0.76	1		8260	qh	2/15/2002 / 2/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/15/2002 / 2/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/15/2002 / 2/15/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/15/2002 / 2/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/15/2002 / 2/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/15/2002 / 2/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/15/2002 / 2/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/15/2002 / 2/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/15/2002 / 2/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/15/2002 / 2/15/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	qh	2/15/2002 / 2/15/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	qh	2/15/2002 / 2/15/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/15/2002 / 2/15/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/15/2002 / 2/15/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	qh	2/15/2002 / 2/15/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/15/2002 / 2/15/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/15/2002 / 2/15/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/15/2002 / 2/15/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/15/2002 / 2/15/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	qh	2/15/2002 / 2/15/2002

Sample Number: 27424

QC Prep Batch Number: 999853

Collection: 2/4/2002

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	2/18/2002 / 2/15/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/18/2002 / 2/15/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/18/2002 / 2/15/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	qh	2/18/2002 / 2/15/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/18/2002 / 2/15/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/18/2002 / 2/15/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	2/18/2002 / 2/15/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	qh	2/18/2002 / 2/15/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	qh	2/18/2002 / 2/15/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	qh	2/18/2002 / 2/15/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/18/2002 / 2/15/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/18/2002 / 2/15/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/18/2002 / 2/15/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	qh	2/18/2002 / 2/15/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	qh	2/18/2002 / 2/15/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	qh	2/18/2002 / 2/15/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/18/2002 / 2/15/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/18/2002 / 2/15/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/18/2002 / 2/15/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/18/2002 / 2/15/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/18/2002 / 2/15/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	qh	2/18/2002 / 2/15/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	qh	2/18/2002 / 2/15/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/18/2002 / 2/15/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/18/2002 / 2/15/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	qh	2/18/2002 / 2/15/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	qh	2/18/2002 / 2/15/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/18/2002 / 2/15/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	qh	2/18/2002 / 2/15/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/18/2002 / 2/15/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	qh	2/18/2002 / 2/15/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/18/2002 / 2/15/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	qh	2/18/2002 / 2/15/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/18/2002 / 2/15/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	qh	2/18/2002 / 2/15/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	qh	2/18/2002 / 2/15/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	qh	2/18/2002 / 2/15/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	qh	2/18/2002 / 2/15/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/18/2002 / 2/15/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	qh	2/18/2002 / 2/15/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	qh	2/18/2002 / 2/15/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	qh	2/18/2002 / 2/15/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	qh	2/18/2002 / 2/15/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	qh	2/18/2002 / 2/15/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	qh	2/18/2002 / 2/15/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/18/2002 / 2/15/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	qh	2/18/2002 / 2/15/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	qh	2/18/2002 / 2/15/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	qh	2/18/2002 / 2/15/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	qh	2/18/2002 / 2/15/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	qh	2/18/2002 / 2/15/2002

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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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020081
 DATE REPORTED: 22-Feb-02
 DATE RECEIVED: 04-Feb-02
 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	2/18/2002 / 2/15/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	qh	2/18/2002 / 2/15/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	qh	2/18/2002 / 2/15/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	qh	2/18/2002 / 2/15/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	qh	2/18/2002 / 2/15/2002
Styrene	<0.25	ug/l	0.25	0.80	1		8260	qh	2/18/2002 / 2/15/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1		8260	qh	2/18/2002 / 2/15/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1		8260	qh	2/18/2002 / 2/15/2002
Toluene	<0.29	ug/l	0.29	0.92	1		8260	qh	2/18/2002 / 2/15/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1		8260	qh	2/18/2002 / 2/15/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1		8260	qh	2/18/2002 / 2/15/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1		8260	qh	2/18/2002 / 2/15/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1		8260	qh	2/18/2002 / 2/15/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1		8260	qh	2/18/2002 / 2/15/2002

Approved By: 

Date: 2/22/02

James Chang, Ph.D., Lab Director

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

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

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

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

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

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

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

DNR Analytical Detection Limit Guidance, April 1995.



INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER 20020081
 DATE REPORTED: 25-Feb-02
 DATE RECEIVED: 04-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27413		Matrix: GW						Collection: 2/4/2002	Time: 10:10	
Client ID: 020204WA09R								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	2/11/2002	999691	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	ez	2/12/2002	999712	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	2/11/2002	999693	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	2/12/2002	999712	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/12/2002	999712	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	2/12/2002	999712	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/15/2002	999770	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/12/2002	999712	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	2/15/2002	999766	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	2/12/2002	999712	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	2/5/2002	999659	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	2/12/2002	999712	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/14/2002	999746	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	2/12/2002	999712	

Sample Number: 27414		Matrix: GW						Collection: 2/4/2002	Time: 10:10	
Client ID: 020204WA09C								Sample Description:		
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	2/11/2002	999691	
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	ez	2/12/2002	999712	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	2/11/2002	999693	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	2/12/2002	999712	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/12/2002	999712	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	2/12/2002	999712	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/15/2002	999770	
Manganese - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/12/2002	999712	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	2/15/2002	999766	
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	2/12/2002	999712	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	2/5/2002	999659	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	2/12/2002	999712	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/14/2002	999746	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	2/12/2002	999712	



INORGANIC REPORT

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

WDNR# 241340550

INVOICE NUMBER: 20020081
 DATE REPORTED: 25-Feb-02
 DATE RECEIVED: 04-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27415		Matrix: GW		Collection: 2/4/2002		Time: 10:18				
Client ID: 020204WA01P		Sample Description:								
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	2/11/2002	999691	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	ez	2/12/2002	999712	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	2/11/2002	999693	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	2/12/2002	999712	
Copper - ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/12/2002	999712	
Iron - ICAP	1	mg/l	RJ	0.081	0.26	200.7	ez	2/12/2002	999712	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/15/2002	999770	
Manganese - ICAP	0.14	mg/l	RJ	0.006	0.02	200.7	ez	2/12/2002	999712	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	2/15/2002	999766	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	2/12/2002	999712	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	2/5/2002	999659	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	2/12/2002	999712	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/14/2002	999746	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	2/12/2002	999712	
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	1/5/2002	999681	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/20/2002	999794	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/20/2002	999792	
pH (water)	6.9	s.u.	#			150.1		2/4/2002	999644	

Sample Number: 27416		Matrix: GW		Collection: 2/4/2002		Time: 10:18				
Client ID: 020204WA01Q		Sample Description:								
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747	
pH (water)	6.9	s.u.	#			150.1		2/4/2002	999644	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	mk	2/7/2002	999650	

Sample Number: 27417		Matrix: GW		Collection: 2/4/2002		Time: 10:14				
Client ID: 020204WA04Q		Sample Description:								
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/20/2002	999792	
pH (water)	7.4	s.u.	#			150.1		2/4/2002	999644	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	mk	2/7/2002	999650	

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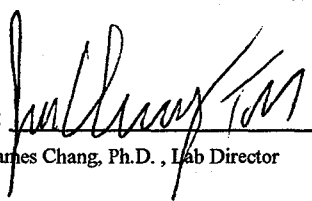
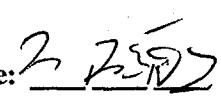


INORGANIC REPORT

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

WDNR# 241340550
 INVOICE NUMBER **20020081**
 DATE REPORTED: 25-Feb-02
 DATE RECEIVED: 04-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID:
 PROJECT NAME:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27418		Matrix: GW						Collection: 2/4/2002		Time: 10:00
Client ID: 020204WA05P								Sample Description:		
pH (water)	7.4	s.u.	#					2/4/2002	999644	
Sample Number: 27420		Matrix: GW						Collection: 2/4/2002		Time: 10:02
Client ID: 020204WA07Q								Sample Description:		
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/20/2002	999792	
pH (water)	8	s.u.	#			150.1		2/4/2002	999644	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	mk	2/7/2002	999650	
Sample Number: 27422		Matrix: GW						Collection: 2/4/2002		Time: 10:07
Client ID: 020204WA09P								Sample Description:		
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	1/5/2002	999681	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/20/2002	999794	
Cyanide, Total	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/20/2002	999792	
pH (water)	8	s.u.	#			150.1		2/4/2002	999644	
Sample Number: 27423		Matrix: GW						Collection: 2/4/2002		Time: 10:07
Client ID: 020204WA09Q								Sample Description:		
pH (water)	7.9	s.u.	#			150.1		2/4/2002	999644	

Approved By:  Date: 
 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.

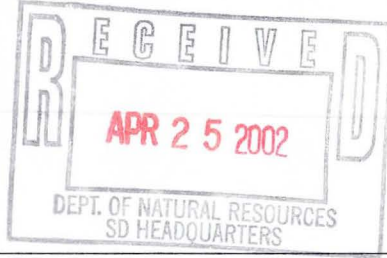


INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020114
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

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



Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments	
Sample Number: 27513		Matrix: GW									
Client ID: 020211WA01P									Collection: 2/11/2002	Time: 09:05	
Sample Description:											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	2/22/2002	999855		
Barium - ICAP	0.12	mg/l	RJ	0.007	0.02	200.7	ez	2/15/2002	999747		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	2/25/2002	999899		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	2/15/2002	999747		
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/15/2002	999747		
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	ez	2/15/2002	999747		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/15/2002	999770		
Manganese - ICAP	0.15	mg/l	RJ	0.006	0.02	200.7	ez	2/15/2002	999747		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	2/15/2002	999766		
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747		
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	2/22/2002	999857		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	2/15/2002	999747		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/14/2002	999746		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	2/15/2002	999747		
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500		2/20/2002	999796		
COD, Total	6.1	mg/l	J	3.4	11	410.4-CT		2/20/2002	999797		
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999943		
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999923		
pH (water)	6.7	s.u.	#			150.1			999710		
Solids, Total Suspended	14	mg/l	RJ	1	3.2	SM 2540	mk	2/18/2002	999773		

Sample Number: 27514		Matrix: GW								
Client ID: 020211WA01Q									Collection: 2/11/2002	Time: 09:05
Sample Description:										
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747	
pH (water)	6.8	s.u.	#			150.1			999710	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540	mk	2/18/2002	999773	

Sample Number: 27515		Matrix: GW								
Client ID: 020211WA04Q									Collection: 2/11/2002	Time: 09:22
Sample Description:										
Nickel - ICAP	0.03	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999923	



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020114
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
pH (water)	7.3	s.u.	#			150.1			999710	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540	mk	2/18/2002	999773	

Sample Number: 27516
 Client ID: 020211WA05P

Matrix: GW

Collection: 2/11/2002 Time: 09:20

Sample Description:

pH (water)	7.4	s.u.	#			150.1			999710	
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Sample Number: 27518
 Client ID: 020211WA07Q

Matrix: GW

Collection: 2/11/2002 Time: 09:00

Sample Description:

Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999923	
pH (water)	8	s.u.	#			150.1			999710	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540	mk	2/18/2002	999773	

Sample Number: 27520
 Client ID: 020211WA09P

Matrix: GW

Collection: 2/11/2002 Time: 09:10

Sample Description:

Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500		2/20/2002	999796	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999943	
Cyanide, Total	0.02	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999923	
pH (water)	7.9	s.u.	#			150.1			999710	

Sample Number: 27521
 Client ID: 020211WA09Q

Matrix: GW

Collection: 2/11/2002 Time: 09:10

Sample Description:

pH (water)	7.9	s.u.	#			150.1			999710	
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Sample Number: 27522
 Client ID: 020211WA09R

Matrix: GW

Collection: 2/11/2002 Time: 09:15

Sample Description:

Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	2/22/2002	999855	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	ez	2/15/2002	999747	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	2/25/2002	999899	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	2/15/2002	999747	
Copper - ICAP	0.007	mg/l	J RJ	0.006	0.02	200.7	ez	2/15/2002	999747	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	2/15/2002	999747	



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20020114
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/15/2002	999770	
Manganese - ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	ez	2/15/2002	999747	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	2/15/2002	999766	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	2/15/2002	999747	
Selenium - Furnace AA	6.4	ug/l	J RJ	4.8	15	270.2	bb	2/22/2002	999857	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	2/15/2002	999747	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/14/2002	999746	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	2/15/2002	999747	
COD. Total	8.4	mg/l	J	3.4	11	410.4-CT		2/20/2002	999797	
Nitrate + Nitrite Nitrogen	0.9	mg/l	RJ	0.03	0.10	353.3	bb	2/2/2002	999791	
Nitrogen, Ammonia	0.75	mg/l	J	1.25	4.0	350.1		2/20/2002	999798	
Phosphorus, Total	<0.10	mg/l		0.033	0.10	365.2		2/20/2002	999808	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540	mk	2/18/2002	999773	

Approved By: 

James Chang, Ph.D., Lab Director

Date: 4/9/02

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: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 27513									
Client ID: 020211WA01P									
QC Prep Batch Number: 1000064									
Collection: 2/11/2002									
Time: 09:05									
Sample Description:									
1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	Admin	/	2/20/2002
1,1,1-Trichloroethane	50	ug/l	0.31	0.99	1	8260	Admin	/	2/20/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	Admin	/	2/20/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	Admin	/	2/20/2002
1,1-Dichloroethane	12	ug/l	0.32	1.0	1	8260	Admin	/	2/20/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	Admin	/	2/20/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	Admin	/	2/20/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	Admin	/	2/20/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	Admin	/	2/20/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	Admin	/	2/20/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	Admin	/	2/20/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	Admin	/	2/20/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	Admin	/	2/20/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	Admin	/	2/20/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	Admin	/	2/20/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	Admin	/	2/20/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	Admin	/	2/20/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	Admin	/	2/20/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	Admin	/	2/20/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1	8260	Admin	/	2/20/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	Admin	/	2/20/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	Admin	/	2/20/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	Admin	/	2/20/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	Admin	/	2/20/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	Admin	/	2/20/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	Admin	/	2/20/2002
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	Admin	/	2/20/2002
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	Admin	/	2/20/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	Admin	/	2/20/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	Admin	/	2/20/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	Admin	/	2/20/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	Admin	/	2/20/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	Admin	/	2/20/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	Admin	/	2/20/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	Admin	/	2/20/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	Admin	/	2/20/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	Admin	/	2/20/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	Admin	/	2/20/2002
cis-1,2-Dichloroethene	20	ug/l	0.27	0.86	1	8260	Admin	/	2/20/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	Admin	/	2/20/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	Admin	/	2/20/2002

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: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	/ 2/20/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	/ 2/20/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 2/20/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	Admin	/ 2/20/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 2/20/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	Admin	/ 2/20/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	Admin	/ 2/20/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	Admin	/ 2/20/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 2/20/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	/ 2/20/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	Admin	/ 2/20/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	Admin	/ 2/20/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 2/20/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 2/20/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	/ 2/20/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	/ 2/20/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	/ 2/20/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	/ 2/20/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	/ 2/20/2002
trans-1,2-Dichloroethene	5.0	ug/l	0.25	0.80	1		8260	Admin	/ 2/20/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	/ 2/20/2002
Trichloroethene	200	ug/l	0.34	1.1	1		8260	Admin	/ 2/20/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	/ 2/20/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	/ 2/20/2002

Sample Number: 27515

QC Prep Batch Number: 999961

Collection: 2/11/2002

Time: 09:22

Client ID: 020211WA04Q

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,1-Trichloroethane	26	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloroethane	6.8	ug/l	0.32	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloroethene	0.67	ug/l	0.34	1.1	1	J	8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002



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Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	Admin	2/20/2002 / 2/20/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	Admin	2/20/2002 / 2/20/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	Admin	2/20/2002 / 2/20/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	Admin	2/20/2002 / 2/20/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	Admin	2/20/2002 / 2/20/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
cis-1,2-Dichloroethene	18	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	Admin	2/20/2002 / 2/20/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	Admin	2/20/2002 / 2/20/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	Admin	2/20/2002 / 2/20/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	Admin	2/20/2002 / 2/20/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	Admin	2/20/2002 / 2/20/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
Tetrachloroethene	0.66	ug/l	0.31	0.99	1	J	8260	Admin	2/20/2002 / 2/20/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	2/20/2002 / 2/20/2002
trans-1,2-Dichloroethene	3.1	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002

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: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
Trichloroethene	130	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	2/20/2002 / 2/20/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	2/20/2002 / 2/20/2002

Sample Number: 27517

QC Prep Batch Number: 999961

Collection: 2/11/2002

Time: 09:00

Client ID: 020211WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	Admin	2/20/2002 / 2/20/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	Admin	2/20/2002 / 2/20/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	Admin	2/20/2002 / 2/20/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	Admin	2/20/2002 / 2/20/2002



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ORGANIC REPORT

WDNR# 241340550

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BATCH NUMBER: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	<0.24	ug/l	0.24	0.76	1	8260	Admin	2/20/2002 /	2/20/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1	8260	Admin	2/20/2002 /	2/20/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1	8260	Admin	2/20/2002 /	2/20/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1	8260	Admin	2/20/2002 /	2/20/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1	8260	Admin	2/20/2002 /	2/20/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1	8260	Admin	2/20/2002 /	2/20/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1	8260	Admin	2/20/2002 /	2/20/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1	8260	Admin	2/20/2002 /	2/20/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1	8260	Admin	2/20/2002 /	2/20/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1	8260	Admin	2/20/2002 /	2/20/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1	8260	Admin	2/20/2002 /	2/20/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1	8260	Admin	2/20/2002 /	2/20/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1	8260	Admin	2/20/2002 /	2/20/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1	8260	Admin	2/20/2002 /	2/20/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1	8260	Admin	2/20/2002 /	2/20/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1	8260	Admin	2/20/2002 /	2/20/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1	8260	Admin	2/20/2002 /	2/20/2002
o-xylene	<0.25	ug/l	0.25	0.80	1	8260	Admin	2/20/2002 /	2/20/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1	8260	Admin	2/20/2002 /	2/20/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1	8260	Admin	2/20/2002 /	2/20/2002
Styrene	<0.25	ug/l	0.25	0.80	1	8260	Admin	2/20/2002 /	2/20/2002
tert-Butylbenzene	<0.30	ug/l	0.30	0.95	1	8260	Admin	2/20/2002 /	2/20/2002
Tetrachloroethene	<0.31	ug/l	0.31	0.99	1	8260	Admin	2/20/2002 /	2/20/2002
Toluene	<0.29	ug/l	0.29	0.92	1	8260	Admin	2/20/2002 /	2/20/2002
trans-1,2-Dichloroethene	<0.25	ug/l	0.25	0.80	1	8260	Admin	2/20/2002 /	2/20/2002
trans-1,3-Dichloropropene	<0.26	ug/l	0.26	0.83	1	8260	Admin	2/20/2002 /	2/20/2002
Trichloroethene	<0.34	ug/l	0.34	1.1	1	8260	Admin	2/20/2002 /	2/20/2002
Trichlorofluoromethane	<0.24	ug/l	0.24	0.76	1	8260	Admin	2/20/2002 /	2/20/2002
Vinyl chloride	<0.20	ug/l	0.20	0.64	1	8260	Admin	2/20/2002 /	2/20/2002

Sample Number: 27519

QC Prep Batch Number: 999961

Collection: 2/11/2002

Time: 09:08

Client ID: 020211WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	<0.22	ug/l	0.22	0.70	1	8260	Admin	2/20/2002 /	2/20/2002
1,1,1-Trichloroethane	<0.31	ug/l	0.31	0.99	1	8260	Admin	2/20/2002 /	2/20/2002
1,1,2,2-Tetrachloroethane	<0.44	ug/l	0.44	1.4	1	8260	Admin	2/20/2002 /	2/20/2002
1,1,2-Trichloroethane	<0.44	ug/l	0.44	1.4	1	8260	Admin	2/20/2002 /	2/20/2002
1,1-Dichloroethane	<0.32	ug/l	0.32	1.0	1	8260	Admin	2/20/2002 /	2/20/2002
1,1-Dichloroethene	<0.34	ug/l	0.34	1.1	1	8260	Admin	2/20/2002 /	2/20/2002
1,1-Dichloropropene	<0.43	ug/l	0.43	1.4	1	8260	Admin	2/20/2002 /	2/20/2002
1,2,3-Trichlorobenzene	<0.50	ug/l	0.50	1.6	1	8260	Admin	2/20/2002 /	2/20/2002
1,2,3-Trichloropropane	<0.51	ug/l	0.51	1.6	1	8260	Admin	2/20/2002 /	2/20/2002
1,2,4-Trichlorobenzene	<0.47	ug/l	0.47	1.5	1	8260	Admin	2/20/2002 /	2/20/2002
1,2,4-Trimethylbenzene	<0.30	ug/l	0.30	0.95	1	8260	Admin	2/20/2002 /	2/20/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,2-Dibromoethane	<0.46	ug/l	0.46	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloroethane	<0.35	ug/l	0.35	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloropropane	<0.32	ug/l	0.32	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
1,3,5-Trimethylbenzene	<0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,3-Dichlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
1,3-Dichloropropane	<0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
1,4-Dichlorobenzene	<0.36	ug/l	0.36	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dibromo-3-chloropropan	<0.33	ug/l	0.33	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
2,2-Dichloropropane	<0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chloroethyl Vinyl Ether	<0.70	ug/l	0.70	2.2	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chlorotoluene	<0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
4-Chlorotoluene	<0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
4-Methyl-2-Pentanone	<0.80	ug/l	0.80	2.5	1		8260	Admin	2/20/2002 / 2/20/2002
Acetone	<1.6	ug/l	1.6	4.9	1		8260	Admin	2/20/2002 / 2/20/2002
Benzene	<0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Bromobenzene	<0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
Bromochloromethane	<0.37	ug/l	0.37	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromodichloromethane	<0.38	ug/l	0.38	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromoform	<0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromomethane	<0.65	ug/l	0.65	2.1	1		8260	Admin	2/20/2002 / 2/20/2002
Carbon tetrachloride	<0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Chlorobenzene	<0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
Chloroethane	<0.64	ug/l	0.64	2.0	1		8260	Admin	2/20/2002 / 2/20/2002
Chloroform	<0.24	ug/l	0.24	0.76	1		8260	Admin	2/20/2002 / 2/20/2002
Chloromethane	<0.49	ug/l	0.49	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
cis-1,2-Dichloroethene	<0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
cis-1,3-Dichloropropene	<0.37	ug/l	0.37	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Dibromochloromethane	<0.41	ug/l	0.41	1.3	1		8260	Admin	2/20/2002 / 2/20/2002
Dibromomethane	<0.46	ug/l	0.46	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
Dichlorodifluoromethane	<0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Ethylbenzene	<0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
Hexachlorobutadiene	<0.42	ug/l	0.42	1.3	1		8260	Admin	2/20/2002 / 2/20/2002
Isopropyl Ether	<0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
Isopropylbenzene	<0.33	ug/l	0.33	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
m&p-xylene	<0.53	ug/l	0.53	1.7	1		8260	Admin	2/20/2002 / 2/20/2002
Methyl-t-butyl ether	<0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Methylene chloride	<0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
n-Butylbenzene	<0.36	ug/l	0.36	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
n-Propylbenzene	<0.28	ug/l	0.28	0.89	1		8260	Admin	2/20/2002 / 2/20/2002
Naphthalene	<0.75	ug/l	0.75	2.4	1		8260	Admin	2/20/2002 / 2/20/2002
o-xylene	<0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
p-Isopropyltoluene	<0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
sec-Butylbenzene	<0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002

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: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	2/20/2002 / 2/20/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	2/20/2002 / 2/20/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	2/20/2002 / 2/20/2002

Sample Number: 27520

QC Prep Batch Number: 999961

Collection: 2/11/2002

Time: 09:10

Client ID: 020211WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	Admin	2/20/2002 / 2/20/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	Admin	2/20/2002 / 2/20/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	Admin	2/20/2002 / 2/20/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	Admin	2/20/2002 / 2/20/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	Admin	2/20/2002 / 2/20/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	Admin	2/20/2002 / 2/20/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	Admin	2/20/2002 / 2/20/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	Admin	2/20/2002 / 2/20/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	Admin	2/20/2002 / 2/20/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	Admin	2/20/2002 / 2/20/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	Admin	2/20/2002 / 2/20/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	Admin	2/20/2002 / 2/20/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	Admin	2/20/2002 / 2/20/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	Admin	2/20/2002 / 2/20/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	Admin	2/20/2002 / 2/20/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	Admin	2/20/2002 / 2/20/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	Admin	2/20/2002 / 2/20/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	Admin	2/20/2002 / 2/20/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	Admin	2/20/2002 / 2/20/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	Admin	2/20/2002 / 2/20/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	Admin	2/20/2002 / 2/20/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	Admin	2/20/2002 / 2/20/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	Admin	2/20/2002 / 2/20/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	Admin	2/20/2002 / 2/20/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	Admin	2/20/2002 / 2/20/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020114
 DATE REPORTED: 15-Mar-02
 DATE RECEIVED: 11-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #4
 PROJECT NAME: PILOT TEST

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

James Chang, Ph.D., Lab Director

Date: 3.15.02

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

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

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

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

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

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

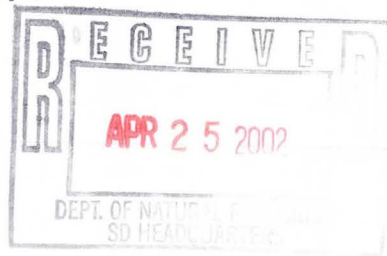
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550

INVOICE NUMBER: 20020127
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments	
Sample Number: 27582		Matrix: GW									
Client ID: 020219WA09R									Collection: 2/19/2002	Time: 08:10	
Sample Description:											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	2/22/2002	999855		
Barium - ICAP	0.08	mg/l	RJ	0.007	0.02	200.7	ez	2/27/2002	1000067		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	2/25/2002	999899		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	2/27/2002	1000067		
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/27/2002	1000067		
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	2/27/2002	1000067		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/26/2002	999911		
Manganese - ICAP	0.009	mg/l	J RJ	0.006	0.02	200.7	ez	2/27/2002	1000067		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	2/26/2002	999907		
Nickel - ICAP	<0.011	mg/l	RJ	0.011	0.03	200.7	ez	2/27/2002	1000067		
Selenium - Furnace AA	5.5	ug/l	J RJ	4.8	15	270.2	bb	2/22/2002	999857		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	2/27/2002	1000067		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/26/2002	999913		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	3/15/2002	1000067		

Sample Number: 27583		Matrix: GW									
Client ID: 020219WA01P									Collection: 2/19/2002	Time: 08:15	
Sample Description:											
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	bb	2/22/2002	999855		
Barium - ICAP	0.09	mg/l	RJ	0.007	0.02	200.7	ez	2/27/2002	1000067		
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	bb	2/25/2002	999899		
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	2/27/2002	1000067		
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	2/27/2002	1000067		
Iron - ICAP	0.8	mg/l	RJ	0.081	0.26	200.7	ez	2/27/2002	1000067		
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/26/2002	999911		
Manganese - ICAP	0.11	mg/l	RJ	0.006	0.02	200.7	ez	2/27/2002	1000067		
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	bb	2/26/2002	999907		
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	2/27/2002	1000067		
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	bb	2/22/2002	999857		
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	2/27/2002	1000067		
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/26/2002	999913		
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	3/15/2002	1000067		



INORGANIC REPORT

Dr. James Chang
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WDNR# 241340550

INVOICE NUMBER: 20020127
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	2/20/2002	999945	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999943	
Cyanide, Total	0.01	mg/l	J LM	0.006	0.02	335.2	bb	3/1/2002	999930	
pH (water)	6.9	s.u.	#			150.1		2/19/2002	999790	

Sample Number: 27584
 Client ID: 020219WA05P

Matrix: GW

Collection: 2/19/2002 Time: 08:20

Sample Description:

pH (water) 7.4 s.u. # 150.1

2/19/2002 999790

Sample Number: 27587
 Client ID: 020219WA09P

Matrix: GW

Collection: 2/19/2002 Time: 08:26

Sample Description:

Chromium, Hexavalent <0.0042 mg/l RJ 0.004 0.01 SM 3500D ta 2/20/2002 999945
 Cyanide, Amenable <0.006 mg/l RJ 0.006 0.02 335.2 bb 2/27/2002 999943
 Cyanide, Total 0.008 mg/l J LM 0.006 0.02 335.2 bb 3/1/2002 999930
 pH (water) 7.8 s.u. # 150.1

2/19/2002 999790

Sample Number: 27589
 Client ID: 020219WA04Q

Matrix: GW

Collection: 2/19/2002 Time: 08:13

Sample Description:

pH (water) 7.3 s.u. # 150.1

2/19/2002 999790

Approved By: 

James Chang, Ph.D., Lab Director

Date: 4/9/02

LM Low matrix spike recovery probably due to matrix interference
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: 20020127
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Sample Number: 27583	QC Prep Batch Number: 1000037					Collection: 2/19/2002			Time: 08:15
Client ID: 020219WA01P						Sample Description:			
1,1,1,2-Tetrachloroethane	<2.2	ug/l	2.2	7.0	10	8260	445134030		3/1/2002 / 3/8/2002
1,1,1-Trichloroethane	100	ug/l	3.1	9.9	10	8260	445134030		3/1/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	<4.4	ug/l	4.4	14	10	8260	445134030		3/1/2002 / 3/8/2002
1,1,2-Trichloroethane	<4.4	ug/l	4.4	14	10	8260	445134030		3/1/2002 / 3/8/2002
1,1-Dichloroethane	16	ug/l	3.2	10	10	8260	445134030		3/1/2002 / 3/8/2002
1,1-Dichloroethene	8.1	ug/l	3.4	11	10	J 8260	445134030		3/1/2002 / 3/8/2002
1,1-Dichloropropene	<4.3	ug/l	4.3	14	10	8260	445134030		3/1/2002 / 3/8/2002
1,2,3-Trichlorobenzene	<5.0	ug/l	5.0	16	10	8260	445134030		3/1/2002 / 3/8/2002
1,2,3-Trichloropropane	<5.1	ug/l	5.1	16	10	8260	445134030		3/1/2002 / 3/8/2002
1,2,4-Trichlorobenzene	<4.7	ug/l	4.7	15	10	8260	445134030		3/1/2002 / 3/8/2002
1,2,4-Trimethylbenzene	<3.0	ug/l	3.0	9.5	10	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dibromoethane	<4.6	ug/l	4.6	15	10	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dichlorobenzene	<3.4	ug/l	3.4	11	10	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dichloroethane	<3.5	ug/l	3.5	11	10	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dichloropropane	<3.2	ug/l	3.2	10	10	8260	445134030		3/1/2002 / 3/8/2002
1,3,5-Trimethylbenzene	<3.4	ug/l	3.4	11	10	8260	445134030		3/1/2002 / 3/8/2002
1,3-Dichlorobenzene	<2.6	ug/l	2.6	8.3	10	8260	445134030		3/1/2002 / 3/8/2002
1,3-Dichloropropane	<3.9	ug/l	3.9	12	10	8260	445134030		3/1/2002 / 3/8/2002
1,4-Dichlorobenzene	<3.6	ug/l	3.6	11	10	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dibromo-3-chloropropan	<3.3	ug/l	3.3	10	10	8260	445134030		3/1/2002 / 3/8/2002
2,2-Dichloropropane	<2.7	ug/l	2.7	8.6	10	8260	445134030		3/1/2002 / 3/8/2002
2-Butanone (MEK)	<14	ug/l	14	44	10	8260	445134030		3/1/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	<7.0	ug/l	7.0	22	10	8260	445134030		3/1/2002 / 3/8/2002
2-Chlorotoluene	<3.0	ug/l	3.0	9.5	10	8260	445134030		3/1/2002 / 3/8/2002
4-Chlorotoluene	<2.6	ug/l	2.6	8.3	10	8260	445134030		3/1/2002 / 3/8/2002
4-Methyl-2-Pentanone	<8.0	ug/l	8.0	25	10	8260	445134030		3/1/2002 / 3/8/2002
Acetone	<16	ug/l	16	49	10	8260	445134030		3/1/2002 / 3/8/2002
Benzene	<2.7	ug/l	2.7	8.6	10	8260	445134030		3/1/2002 / 3/8/2002
Bromobenzene	<3.1	ug/l	3.1	9.9	10	8260	445134030		3/1/2002 / 3/8/2002
Bromochloromethane	<3.7	ug/l	3.7	12	10	8260	445134030		3/1/2002 / 3/8/2002
Bromodichloromethane	<3.8	ug/l	3.8	12	10	8260	445134030		3/1/2002 / 3/8/2002
Bromoform	<3.9	ug/l	3.9	12	10	8260	445134030		3/1/2002 / 3/8/2002
Bromomethane	<6.5	ug/l	6.5	21	10	8260	445134030		3/1/2002 / 3/8/2002
Carbon tetrachloride	<2.7	ug/l	2.7	8.6	10	8260	445134030		3/1/2002 / 3/8/2002
Chlorobenzene	<2.6	ug/l	2.6	8.3	10	8260	445134030		3/1/2002 / 3/8/2002
Chloroethane	<6.4	ug/l	6.4	20	10	8260	445134030		3/1/2002 / 3/8/2002
Chloroform	<2.4	ug/l	2.4	7.6	10	8260	445134030		3/1/2002 / 3/8/2002
Chloromethane	<4.9	ug/l	4.9	16	10	8260	445134030		3/1/2002 / 3/8/2002
cis-1,2-Dichloroethene	33	ug/l	2.7	8.6	10	8260	445134030		3/1/2002 / 3/8/2002
cis-1,3-Dichloropropene	<3.7	ug/l	3.7	12	10	8260	445134030		3/1/2002 / 3/8/2002
Dibromochloromethane	<4.1	ug/l	4.1	13	10	8260	445134030		3/1/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020127
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 4.6	ug/l	4.6	15	10		8260	445134030	3/1/2002 / 3/8/2002
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	10		8260	445134030	3/1/2002 / 3/8/2002
Ethylbenzene	< 2.5	ug/l	2.5	8.0	10		8260	445134030	3/1/2002 / 3/8/2002
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	10		8260	445134030	3/1/2002 / 3/8/2002
Isopropyl Ether	< 3.0	ug/l	3.0	9.5	10		8260	445134030	3/1/2002 / 3/8/2002
Isopropylbenzene	< 3.3	ug/l	3.3	10	10		8260	445134030	3/1/2002 / 3/8/2002
m&p-xylene	< 5.3	ug/l	5.3	17	10		8260	445134030	3/1/2002 / 3/8/2002
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	10		8260	445134030	3/1/2002 / 3/8/2002
Methylene chloride	< 3.0	ug/l	3.0	9.5	10		8260	445134030	3/1/2002 / 3/8/2002
n-Butylbenzene	< 3.6	ug/l	3.6	11	10		8260	445134030	3/1/2002 / 3/8/2002
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	10		8260	445134030	3/1/2002 / 3/8/2002
Naphthalene	< 7.5	ug/l	7.5	24	10		8260	445134030	3/1/2002 / 3/8/2002
o-xylene	< 2.5	ug/l	2.5	8.0	10		8260	445134030	3/1/2002 / 3/8/2002
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	10		8260	445134030	3/1/2002 / 3/8/2002
sec-Butylbenzene	< 3.4	ug/l	3.4	11	10		8260	445134030	3/1/2002 / 3/8/2002
Styrene	< 2.5	ug/l	2.5	8.0	10		8260	445134030	3/1/2002 / 3/8/2002
tert-Butylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	445134030	3/1/2002 / 3/8/2002
Tetrachloroethene	< 3.1	ug/l	3.1	9.9	10		8260	445134030	3/1/2002 / 3/8/2002
Toluene	< 2.9	ug/l	2.9	9.2	10		8260	445134030	3/1/2002 / 3/8/2002
trans-1,2-Dichloroethene	12	ug/l	2.5	8.0	10		8260	445134030	3/1/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	10		8260	445134030	3/1/2002 / 3/8/2002
Trichloroethene	320	ug/l	3.4	11	10		8260	445134030	3/1/2002 / 3/8/2002
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	10		8260	445134030	3/1/2002 / 3/8/2002
Vinyl chloride	< 2.0	ug/l	2.0	6.4	10		8260	445134030	3/1/2002 / 3/8/2002

Sample Number: 27585

QC Prep Batch Number: 1000037

Collection: 2/19/2002

Time: 08:22

Client ID: 020219WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020127
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

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	445134030	3/1/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/1/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/1/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/1/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/1/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/1/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/1/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/1/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/1/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/1/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/1/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/1/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/1/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/1/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002

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: 20020127
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

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	445134030	3/1/2002 / 3/8/2002
Trichloroethene	0.70	ug/l	0.34	1.1	1	J	8260	445134030	3/1/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/1/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/1/2002 / 3/8/2002

Sample Number: 27586

QC Prep Batch Number: 1000037

Collection: 2/19/2002

Time: 08:24

Client ID: 020219WA08P

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	445134030	3/1/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/1/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/1/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/1/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/1/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/1/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/1/2002 / 3/8/2002

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 APL Environmental
 8222 W. Calumet Road
 Milwaukee, WI 53223

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020127
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/1/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/1/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/1/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/1/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Methylene chloride	0.40	ug/l	0.30	0.95	1	J	8260	445134030	3/1/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/1/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/1/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/1/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/1/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/1/2002 / 3/8/2002

Sample Number: 27587

QC Prep Batch Number: 1000037

Collection: 2/19/2002

Time: 08:26

Client ID: 020219WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020127
DATE REPORTED: 11-Mar-02
DATE RECEIVED: 19-Feb-02
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: WEEK #5
PROJECT NAME: PILOT TEST

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	445134030	3/1/2002 /	3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	445134030	3/1/2002 /	3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	445134030	3/1/2002 /	3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	445134030	3/1/2002 /	3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	445134030	3/1/2002 /	3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	445134030	3/1/2002 /	3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	445134030	3/1/2002 /	3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	445134030	3/1/2002 /	3/8/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1	8260	445134030	3/1/2002 /	3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	445134030	3/1/2002 /	3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	445134030	3/1/2002 /	3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	445134030	3/1/2002 /	3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	445134030	3/1/2002 /	3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	445134030	3/1/2002 /	3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	445134030	3/1/2002 /	3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	445134030	3/1/2002 /	3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	445134030	3/1/2002 /	3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	445134030	3/1/2002 /	3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	445134030	3/1/2002 /	3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	445134030	3/1/2002 /	3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1	8260	445134030	3/1/2002 /	3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1	8260	445134030	3/1/2002 /	3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1	8260	445134030	3/1/2002 /	3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	445134030	3/1/2002 /	3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1	8260	445134030	3/1/2002 /	3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1	8260	445134030	3/1/2002 /	3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1	8260	445134030	3/1/2002 /	3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1	8260	445134030	3/1/2002 /	3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1	8260	445134030	3/1/2002 /	3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1	8260	445134030	3/1/2002 /	3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1	8260	445134030	3/1/2002 /	3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1	8260	445134030	3/1/2002 /	3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1	8260	445134030	3/1/2002 /	3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1	8260	445134030	3/1/2002 /	3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1	8260	445134030	3/1/2002 /	3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1	8260	445134030	3/1/2002 /	3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1	8260	445134030	3/1/2002 /	3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1	8260	445134030	3/1/2002 /	3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1	8260	445134030	3/1/2002 /	3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1	8260	445134030	3/1/2002 /	3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1	8260	445134030	3/1/2002 /	3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1	8260	445134030	3/1/2002 /	3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1	8260	445134030	3/1/2002 /	3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1	8260	445134030	3/1/2002 /	3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	445134030	3/1/2002 /	3/8/2002

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: 20020127
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1	8260	445134030		3/1/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	445134030		3/1/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1	8260	445134030		3/1/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1	8260	445134030		3/1/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1	8260	445134030		3/1/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1	8260	445134030		3/1/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	445134030		3/1/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1	8260	445134030		3/1/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1	8260	445134030		3/1/2002 / 3/8/2002

Sample Number: 27588

QC Prep Batch Number: 1000037

Collection: 2/19/2002

Time:

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1	8260	445134030		3/1/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1	8260	445134030		3/1/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1	8260	445134030		3/1/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1	8260	445134030		3/1/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1	8260	445134030		3/1/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1	8260	445134030		3/1/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1	8260	445134030		3/1/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1	8260	445134030		3/1/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1	8260	445134030		3/1/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1	8260	445134030		3/1/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1	8260	445134030		3/1/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1	8260	445134030		3/1/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260	445134030		3/1/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1	8260	445134030		3/1/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260	445134030		3/1/2002 / 3/8/2002
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1	8260	445134030		3/1/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1	8260	445134030		3/1/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1	8260	445134030		3/1/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1	8260	445134030		3/1/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1	8260	445134030		3/1/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260	445134030		3/1/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1	8260	445134030		3/1/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1	8260	445134030		3/1/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1	8260	445134030		3/1/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1	8260	445134030		3/1/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1	8260	445134030		3/1/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1	8260	445134030		3/1/2002 / 3/8/2002



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WDNR# 241340550

BATCH NUMBER: 20020127
 DATE REPORTED: 11-Mar-02
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 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/1/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/1/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/1/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/1/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/1/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/1/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/1/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/1/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/1/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/1/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/1/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/1/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/1/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/1/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/1/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/1/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/1/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/1/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/1/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/1/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/1/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020127
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 19-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #5
 PROJECT NAME: PILOT TEST

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

Date: 3/11/02

James Chang, Ph.D., Lab Director

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

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

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

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

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

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

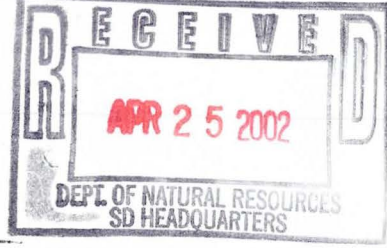
Rounding Rules: Three significant figures were used for concentrations above 99 ug/L, two significant figures for concentrations between 1-99 ug/L, and one significant figure for lower concentrations.

DNR Analytical Detection Limit Guidance, April 1995.



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 2002137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
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Sample Number: 27638

QC Prep Batch Number: 1000037

Collection: 2/25/2002

Time: 09:45

Client ID: 020225WA01P

Sample Description:

1,1,1,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	10	8260	445134030	3/8/2002 /	3/8/2002
1,1,1-Trichloroethane	61	ug/l	3.1	9.9	10	8260	445134030	3/8/2002 /	3/8/2002
1,1,2,2-Tetrachloroethane	< 4.4	ug/l	4.4	14	10	8260	445134030	3/8/2002 /	3/8/2002
1,1,2-Trichloroethane	< 4.4	ug/l	4.4	14	10	8260	445134030	3/8/2002 /	3/8/2002
1,1-Dichloroethane	14	ug/l	3.2	10	10	8260	445134030	3/8/2002 /	3/8/2002
1,1-Dichloroethene	< 3.4	ug/l	3.4	11	10	8260	445134030	3/8/2002 /	3/8/2002
1,1-Dichloropropene	< 4.3	ug/l	4.3	14	10	8260	445134030	3/8/2002 /	3/8/2002
1,2,3-Trichlorobenzene	< 5.0	ug/l	5.0	16	10	8260	445134030	3/8/2002 /	3/8/2002
1,2,3-Trichloropropane	< 5.1	ug/l	5.1	16	10	8260	445134030	3/8/2002 /	3/8/2002
1,2,4-Trichlorobenzene	< 4.7	ug/l	4.7	15	10	8260	445134030	3/8/2002 /	3/8/2002
1,2,4-Trimethylbenzene	< 3.0	ug/l	3.0	9.5	10	8260	445134030	3/8/2002 /	3/8/2002
1,2-Dibromoethane	< 4.6	ug/l	4.6	15	10	8260	445134030	3/8/2002 /	3/8/2002
1,2-Dichlorobenzene	< 3.4	ug/l	3.4	11	10	8260	445134030	3/8/2002 /	3/8/2002
1,2-Dichloroethane	< 3.5	ug/l	3.5	11	10	8260	445134030	3/8/2002 /	3/8/2002
1,2-Dichloropropane	< 3.2	ug/l	3.2	10	10	8260	445134030	3/8/2002 /	3/8/2002
1,3,5-Trimethylbenzene	< 3.4	ug/l	3.4	11	10	8260	445134030	3/8/2002 /	3/8/2002
1,3-Dichlorobenzene	< 2.6	ug/l	2.6	8.3	10	8260	445134030	3/8/2002 /	3/8/2002
1,3-Dichloropropane	< 3.9	ug/l	3.9	12	10	8260	445134030	3/8/2002 /	3/8/2002
1,4-Dichlorobenzene	< 3.6	ug/l	3.6	11	10	8260	445134030	3/8/2002 /	3/8/2002
1,2-Dibromo-3-chloropropan	< 3.3	ug/l	3.3	10	10	8260	445134030	3/8/2002 /	3/8/2002
2,2-Dichloropropane	< 2.7	ug/l	2.7	8.6	10	8260	445134030	3/8/2002 /	3/8/2002
2-Butanone (MEK)	< 14	ug/l	14	44	10	8260	445134030	3/8/2002 /	3/8/2002
2-Chloroethyl Vinyl Ether	< 7.0	ug/l	7.0	22	10	8260	445134030	3/8/2002 /	3/8/2002
2-Chlorotoluene	< 3.0	ug/l	3.0	9.5	10	8260	445134030	3/8/2002 /	3/8/2002
4-Chlorotoluene	< 2.6	ug/l	2.6	8.3	10	8260	445134030	3/8/2002 /	3/8/2002
4-Methyl-2-Pentanone	< 8.0	ug/l	8.0	25	10	8260	445134030	3/8/2002 /	3/8/2002
Acetone	< 16	ug/l	16	49	10	8260	445134030	3/8/2002 /	3/8/2002
Benzene	< 2.7	ug/l	2.7	8.6	10	8260	445134030	3/8/2002 /	3/8/2002
Bromobenzene	< 3.1	ug/l	3.1	9.9	10	8260	445134030	3/8/2002 /	3/8/2002
Bromochloromethane	< 3.7	ug/l	3.7	12	10	8260	445134030	3/8/2002 /	3/8/2002
Bromodichloromethane	< 3.8	ug/l	3.8	12	10	8260	445134030	3/8/2002 /	3/8/2002
Bromoform	< 3.9	ug/l	3.9	12	10	8260	445134030	3/8/2002 /	3/8/2002
Bromomethane	< 6.5	ug/l	6.5	21	10	8260	445134030	3/8/2002 /	3/8/2002
Carbon tetrachloride	< 2.7	ug/l	2.7	8.6	10	8260	445134030	3/8/2002 /	3/8/2002
Chlorobenzene	< 2.6	ug/l	2.6	8.3	10	8260	445134030	3/8/2002 /	3/8/2002
Chloroethane	< 6.4	ug/l	6.4	20	10	8260	445134030	3/8/2002 /	3/8/2002
Chloroform	< 2.4	ug/l	2.4	7.6	10	8260	445134030	3/8/2002 /	3/8/2002
Chloromethane	< 4.9	ug/l	4.9	16	10	8260	445134030	3/8/2002 /	3/8/2002
cis-1,2-Dichloroethene	27	ug/l	2.7	8.6	10	8260	445134030	3/8/2002 /	3/8/2002
cis-1,3-Dichloropropene	< 3.7	ug/l	3.7	12	10	8260	445134030	3/8/2002 /	3/8/2002
Dibromochloromethane	< 4.1	ug/l	4.1	13	10	8260	445134030	3/8/2002 /	3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Dibromomethane	< 4.6	ug/l	4.6	15	10		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 2.7	ug/l	2.7	8.6	10		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 2.5	ug/l	2.5	8.0	10		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 4.2	ug/l	4.2	13	10		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 3.0	ug/l	3.0	9.5	10		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 3.3	ug/l	3.3	10	10		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 5.3	ug/l	5.3	17	10		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 3.9	ug/l	3.9	12	10		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 3.0	ug/l	3.0	9.5	10		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 3.6	ug/l	3.6	11	10		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	< 2.8	ug/l	2.8	8.9	10		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 7.5	ug/l	7.5	24	10		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 2.5	ug/l	2.5	8.0	10		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 3.1	ug/l	3.1	9.9	10		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 3.4	ug/l	3.4	11	10		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 2.5	ug/l	2.5	8.0	10		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 3.0	ug/l	3.0	9.5	10		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	< 3.1	ug/l	3.1	9.9	10		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 2.9	ug/l	2.9	9.2	10		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	5.5	ug/l	2.5	8.0	10	J	8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 2.6	ug/l	2.6	8.3	10		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	220	ug/l	3.4	11	10		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 2.4	ug/l	2.4	7.6	10		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 2.0	ug/l	2.0	6.4	10		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27640

QC Prep Batch Number: 1000037

Collection: 2/25/2002

Time: 09:30

Client ID: 020225WA04Q

Sample Description:

1,1,1,2-Tetrachloroethane	< 1.1	ug/l	1.1	3.5	5		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	18	ug/l	1.6	4.9	5		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 2.2	ug/l	2.2	7.0	5		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 2.2	ug/l	2.2	7.0	5		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 1.6	ug/l	1.6	5.1	5		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	5.2	ug/l	1.7	5.4	5	J	8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	< 2.2	ug/l	2.2	6.8	5		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 2.5	ug/l	2.5	8.0	5		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 2.6	ug/l	2.6	8.1	5		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 2.4	ug/l	2.4	7.5	5		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	4.0	ug/l	1.5	4.8	5	J	8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 2.3	ug/l	2.3	7.3	5		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 1.7	ug/l	1.7	5.4	5		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 1.8	ug/l	1.8	5.6	5		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 1.6	ug/l	1.6	5.1	5		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	2.0	ug/l	1.7	5.4	5	J	8260	445134030	3/8/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
1,3-Dichlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 2.0	ug/l	2.0	6.2	5		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 1.8	ug/l	1.8	5.7	5		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromo-3-chloropropan	< 1.7	ug/l	1.7	5.2	5		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 6.9	ug/l	6.9	22	5		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 3.5	ug/l	3.5	11	5		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 1.3	ug/l	1.3	4.1	5		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 4.0	ug/l	4.0	13	5		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 7.8	ug/l	7.8	25	5		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 1.6	ug/l	1.6	4.9	5		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 1.9	ug/l	1.9	5.9	5		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 1.9	ug/l	1.9	6.0	5		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 2.0	ug/l	2.0	6.2	5		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 3.3	ug/l	3.3	10	5		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 1.3	ug/l	1.3	4.1	5		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 3.2	ug/l	3.2	10	5		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	< 1.2	ug/l	1.2	3.8	5		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 2.5	ug/l	2.5	7.8	5		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	11	ug/l	1.4	4.3	5		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 1.9	ug/l	1.9	5.9	5		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 2.1	ug/l	2.1	6.5	5		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 2.3	ug/l	2.3	7.3	5		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 1.4	ug/l	1.4	4.3	5		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 1.3	ug/l	1.3	4.0	5		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 2.1	ug/l	2.1	6.7	5		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 1.7	ug/l	1.7	5.2	5		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	7.8	ug/l	2.7	8.4	5	J	8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 2.0	ug/l	2.0	6.2	5		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 1.8	ug/l	1.8	5.7	5		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	< 1.4	ug/l	1.4	4.5	5		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 3.8	ug/l	3.8	12	5		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 1.3	ug/l	1.3	4.0	5		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 1.6	ug/l	1.6	4.9	5		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 1.7	ug/l	1.7	5.4	5		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 1.3	ug/l	1.3	4.0	5		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 1.5	ug/l	1.5	4.8	5		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	4.7	ug/l	1.6	4.9	5	J	8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 1.5	ug/l	1.5	4.6	5		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	1.9	ug/l	1.3	4.0	5	J	8260	445134030	3/8/2002 / 3/8/2002

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: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
trans-1,3-Dichloropropene	< 1.3	ug/l	1.3	4.1	5		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	78	ug/l	1.7	5.4	5		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 1.2	ug/l	1.2	3.8	5		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 1.0	ug/l	1.0	3.2	5		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27642

QC Prep Batch Number: 1000037

Collection: 2/25/2002

Time: 09:37

Client ID: 020225WA07P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27644

QC Prep Batch Number: 1000037

Collection: 2/25/2002

Time: 09:39

Client ID: 020225WA08P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

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	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromo-3-chloropropane	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002

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: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethane	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27645

QC Prep Batch Number: 1000037

Collection: 2/25/2002

Time: 09:49

Client ID: 020225WA09P

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloropropene	< 0.43	ug/l	0.43	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002

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: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Sample Number: 27647

QC Prep Batch Number: 1000037

Collection: 2/25/2002

Time:

Client ID: TRIP BLANK

Sample Description:

1,1,1,2-Tetrachloroethane	< 0.22	ug/l	0.22	0.70	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,1-Trichloroethane	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2,2-Tetrachloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1,2-Trichloroethane	< 0.44	ug/l	0.44	1.4	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,1-Dichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002



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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

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	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichlorobenzene	< 0.50	ug/l	0.50	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,3-Trichloropropane	< 0.51	ug/l	0.51	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trichlorobenzene	< 0.47	ug/l	0.47	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2,4-Trimethylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dibromoethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloroethane	< 0.35	ug/l	0.35	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,2-Dichloropropane	< 0.32	ug/l	0.32	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
1,3,5-Trimethylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
1,3-Dichloropropane	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
12Dibromo-3-chloropropan	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
2,2-Dichloropropane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chloroethyl Vinyl Ether	< 0.70	ug/l	0.70	2.2	1		8260	445134030	3/8/2002 / 3/8/2002
2-Chlorotoluene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
4-Methyl-2-Pentanone	< 0.80	ug/l	0.80	2.5	1		8260	445134030	3/8/2002 / 3/8/2002
Acetone	< 1.6	ug/l	1.6	4.9	1		8260	445134030	3/8/2002 / 3/8/2002
Benzene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Bromobenzene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Bromochloromethane	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromodichloromethane	< 0.38	ug/l	0.38	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromoform	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Bromomethane	< 0.65	ug/l	0.65	2.1	1		8260	445134030	3/8/2002 / 3/8/2002
Carbon tetrachloride	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroethane	< 0.64	ug/l	0.64	2.0	1		8260	445134030	3/8/2002 / 3/8/2002
Chloroform	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Chloromethane	< 0.49	ug/l	0.49	1.6	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,2-Dichloroethene	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
cis-1,3-Dichloropropene	< 0.37	ug/l	0.37	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromochloromethane	< 0.41	ug/l	0.41	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Dibromomethane	< 0.46	ug/l	0.46	1.5	1		8260	445134030	3/8/2002 / 3/8/2002
Dichlorodifluoromethane	< 0.27	ug/l	0.27	0.86	1		8260	445134030	3/8/2002 / 3/8/2002
Ethylbenzene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
Hexachlorobutadiene	< 0.42	ug/l	0.42	1.3	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropyl Ether	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Isopropylbenzene	< 0.33	ug/l	0.33	1.0	1		8260	445134030	3/8/2002 / 3/8/2002
m&p-xylene	< 0.53	ug/l	0.53	1.7	1		8260	445134030	3/8/2002 / 3/8/2002
Methyl-t-butyl ether	< 0.39	ug/l	0.39	1.2	1		8260	445134030	3/8/2002 / 3/8/2002
Methylene chloride	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
n-Butylbenzene	< 0.36	ug/l	0.36	1.1	1		8260	445134030	3/8/2002 / 3/8/2002

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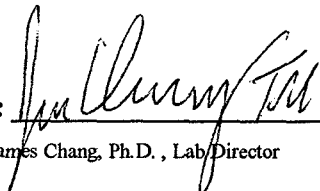
Dr. James Chang
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ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20020137
 DATE REPORTED: 11-Mar-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Compound	Result	Units	LOD	LOQ	Dilution	RQ	Method	Analyst	Date Ext/Anal
n-Propylbenzene	< 0.28	ug/l	0.28	0.89	1		8260	445134030	3/8/2002 / 3/8/2002
Naphthalene	< 0.75	ug/l	0.75	2.4	1		8260	445134030	3/8/2002 / 3/8/2002
o-xylene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
p-Isopropyltoluene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
sec-Butylbenzene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Styrene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
tert-Butylbenzene	< 0.30	ug/l	0.30	0.95	1		8260	445134030	3/8/2002 / 3/8/2002
Tetrachloroethene	< 0.31	ug/l	0.31	0.99	1		8260	445134030	3/8/2002 / 3/8/2002
Toluene	< 0.29	ug/l	0.29	0.92	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,2-Dichloroethene	< 0.25	ug/l	0.25	0.80	1		8260	445134030	3/8/2002 / 3/8/2002
trans-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.83	1		8260	445134030	3/8/2002 / 3/8/2002
Trichloroethene	< 0.34	ug/l	0.34	1.1	1		8260	445134030	3/8/2002 / 3/8/2002
Trichlorofluoromethane	< 0.24	ug/l	0.24	0.76	1		8260	445134030	3/8/2002 / 3/8/2002
Vinyl chloride	< 0.20	ug/l	0.20	0.64	1		8260	445134030	3/8/2002 / 3/8/2002

Approved By:  Date: 3/11/02
 James Chang, Ph.D., Lab Director

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



INORGANIC REPORT

WDNR# 241340550

Dr. James Chang
 APL Environmental
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 Milwaukee, WI 53223

INVOICE NUMBER: 20020137
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Sample Number: 27637		Matrix: GW		Collection: 2/25/2002		Time: 09:41				
Client ID: 020225WA09R		Sample Description:								
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	3/9/2002	1000019	
Barium - ICAP	0.1	mg/l	RJ	0.007	0.02	200.7	ez	3/6/2002	1000036	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	3/10/2002	1000029	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	3/10/2002	1000036	
Copper- ICAP	0.008	mg/l	J RJ	0.006	0.02	200.7	ez	3/6/2002	1000036	
Iron - ICAP	<0.081	mg/l	RJ	0.081	0.26	200.7	ez	3/6/2002	1000036	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/26/2002	999911	
Manganese - ICAP	0.03	mg/l	RJ	0.006	0.02	200.7	ez	3/6/2002	1000036	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	3/10/2002	1000021	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	3/6/2002	1000036	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	3/10/2002	1000032	
Silver - ICAP	0.004	mg/l	J RJ	0.004	0.01	200.7	ez	3/6/2002	1000036	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/26/2002	999913	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	3/6/2002	1000036	

Sample Number: 27638		Matrix: GW		Collection: 2/25/2002		Time: 09:45				
Client ID: 020225WA01P		Sample Description:								
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	tm	3/9/2002	1000019	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	ez	3/6/2002	999968	
Cadmium - Furnace AA	<0.4	ug/l	RJ	0.4	1.3	213.2	tm	3/10/2002	1000029	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	ez	3/6/2002	999968	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	ez	3/6/2002	999968	
Iron - ICAP	1.1	mg/l	RJ	0.081	0.26	200.7	ez	3/6/2002	999968	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	bb	2/26/2002	999911	
Manganese - ICAP	0.11	mg/l	RJ	0.006	0.02	200.7	ez	3/6/2002	999968	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	tm	3/10/2002	1000021	
Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	ez	3/6/2002	999968	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	tm	3/10/2002	1000032	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	ez	3/6/2002	999968	
Thallium - Furnace AA	<1.3	ug/l	RJ	1.3	4.1	279.2	bb	2/26/2002	999913	
Zinc - ICAP	<0.014	mg/l	RJ	0.014	0.04	200.7	ez	3/6/2002	999968	



INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER: 20020137
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	2/26/2002	999945	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999943	
Cyanide, Total	0.02	mg/l	LM	0.006	0.02	335.2	bb	3/1/2002	999930	
pH (water)	6.8	s.u.	#			150.1	mk	2/28/2002	999949	

Sample Number: 27639 Matrix: GW
 Client ID: 020225WA01Q
 Collection: 2/25/2002 Time: 09:45
 Sample Description:

Nickel - ICAP	0.01	mg/l	J RJ	0.011	0.03	200.7	ez	3/11/2002	1000034	
pH (water)	6.9	s.u.	#			150.1	mk	2/28/2002	999949	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	mk	3/9/2002	1000033	

Sample Number: 27640 Matrix: GW
 Client ID: 020225WA04Q
 Collection: 2/25/2002 Time: 09:30
 Sample Description:

Nickel - ICAP	0.06	mg/l	RJ	0.011	0.03	200.7	ez	3/11/2002	1000034	
Cyanide, Total	0.01	mg/l	J LM	0.006	0.02	335.2	bb	3/1/2002	999930	
pH (water)	7.3	s.u.	#			150.1	mk	2/28/2002	999949	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	mk	3/9/2002	1000033	

Sample Number: 27641 Matrix: GW
 Client ID: 020225WA05P
 Collection: 2/25/2002 Time: 09:35
 Sample Description:

pH (water)	7.5	s.u.	#			150.1	mk	2/28/2002	999949	
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Sample Number: 27643 Matrix: GW
 Client ID: 020225WA07Q
 Collection: 2/25/2002 Time: 09:37
 Sample Description:

Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	ez	3/11/2002	1000034	
Cyanide, Total	0.01	mg/l	J LM	0.006	0.02	335.2	bb	3/1/2002	999930	
pH (water)	8	s.u.	#			150.1	mk	2/28/2002	999949	
Solids, Total Suspended	<1	mg/l	RJ	1	3.2	SM 2540D	mk	3/9/2002	1000033	

Sample Number: 27645 Matrix: GW
 Client ID: 020225WA09P
 Collection: 2/25/2002 Time: 09:49
 Sample Description:

Chromium, Hexavalent	<0.0042	mg/l	RJ	0.004	0.01	SM 3500D	ta	2/26/2002	999945	
Cyanide, Amenable	<0.006	mg/l	RJ	0.006	0.02	335.2	bb	2/27/2002	999943	



INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER: 20020137
 DATE REPORTED: 09-Apr-02
 DATE RECEIVED: 25-Feb-02
 SAMPLE TEMP (C): Rec On Ice
 PROJECT ID: WEEK #6
 PROJECT NAME: PILOT TEST

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Cyanide, Total	0.02	mg/l	LM	0.006	0.02	335.2	bb	3/1/2002	999930	
pH (water)	8	s.u.	#			150.1	mk	2/28/2002	999949	

Sample Number: 27646 Matrix: GW

Client ID: 020225WA09Q

Collection: 2/25/2002 Time: 09:49

Sample Description:

pH (water)	7.9	s.u.	#			150.1	mk	2/28/2002	999949	
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Approved By: 

James Chang, Ph.D., Lab Director

Date: 4/9/02

LM Low matrix spike recovery probably due to matrix interference

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.