May 15, 2000

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

Re: Monthly Monitoring Report for the Oconomowoc Groundwater Treatment Facility

Dear Mr. Kozol:

Attached is the Monthly Monitoring Report for April, 2000 for the above referenced project. Questions regarding these reports should be directed to James Chang of APL, Inc. at (414) 355-5800.

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

Sincerely,

Dean Groleau

Dean Groleau, Plant Superintendent
APL, Inc.

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

8222 W. Calumet Road, P. O. Box 23785, Milwaukee, WI 53223 (414) 355-5800 • Fax#: (414) 355-3099
Wisconsin Dept. of Natural Resources Certificate #241340550

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

May 15, 2000

1.0 Introduction

This report summarizes the monthly effluent monitoring results for the Oconomowoc Electroplating Groundwater Treatment Plant (OEGTP) for April, 2000. 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 Dave Dugan and 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. The contact for APL, Inc. is James Chang, who can be reached at (414) 355-5800, Fax (414) 355-3099.

1.2 Project Objectives

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

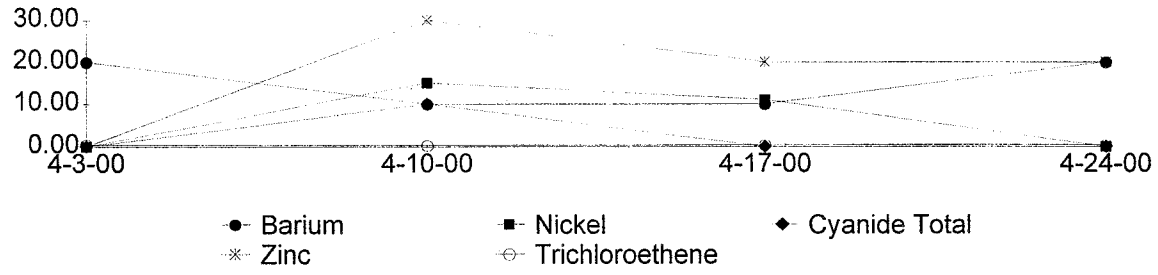
1.3 Effluent Monitoring

Weekly monitoring was conducted on April 3, 10, 17 and 24. The weekly samples for April were tested by APL, Inc. The results of the effluent monitoring tests for the samples taken in April 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



3.0 Treatment Plant Shut Downs

The Treatment Plant was shut down two times for a total of 1.75 hours in April, 2000. The shut downs were due to Replacing the Influent Flow Controller and to Unclog the Discharge Line from CRT-211. Table 1 shows the summary of the plant down times for the month of April, 2000.

Table 1 - Plant Down Time Summary

Date(s)	Number Hours Shut Down	Reason
4-3-00	0.75	Shut Down Due to Replacing FC-100
4-7-00	1	Shut Down Due to Clogged CRT-211 Discharge Line
TOTAL	**1.75**	

3.1 Shut Down Due To Replacing FC-100

On April 3, the treatment plant shut down to replace the Influent Flow Controller (FC-100) with the Diffused Air Stripper (DAS-500) Flow Controller (FC-500). Peiper Electric rotated out FC-100 because of the history of problems associated with it and installed FC-500 in it's place. All FC-500 was being used for was to keep MOV-523 100% open in the Manual mode. FC-100 was constantly losing it's memory and needed recalibrating every 9 months. FC-100 was slow in reacting to adjustments and would wander after the treatment plant flow was set. This led to several treatment plant shut down The old FC-100 was installed in place of FC-500 and MOV-523 was opened 100% to prevent any flow restrictions. The new FC-100 instantly adjusts MOV-113 and maintains the treatment plant flow. Total down time was 45 minutes. APL, Inc., WDNR, and USACE were notified of the treatment plant shut down and start up.

3.2 Shut Down for Clogged CRT-211 Discharge Line

On April 7, the treatment plant was shut down to unclog the discharge line from the Cyanide Reaction Tank (CRT-211) to the Rapid Mix Tank (RMT-311). CRT-211 was partially drained to the Sludge Holding Tank (ST-820) using the Equalization Tank Solids Pump (ESP-121). The access cover was removed from CRT-211 and the mixer and chemical feed pumps were shut down and isolated. The discharge line was clogged with sludge/hardness due to operating the treatment system at low flows. The treatment plant was shut down and the access cover was

removed from the Rapid Mix Tank (RMT-311) and the mixer was shut down and isolated. The discharge line was augured out using the water jetter and power washer. The tanks were put back in line, filled, and all appropriate chemical feed pumps and mixers were activated. The access covers were reinstalled. All levels and flows returned to normal operating parameters. Total down time was 1 hour. APL Inc., WDNR, and USACE were notified.

4.0 Summary

Groundwater Treatment Plant effluent monitoring was conducted on April 3, 10, 17, and 24 of 2000. The laboratory results of these samples showed that no contaminates exceeded the limits 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 April, 2000, the plant were shut downs two times for a total of 1.75 hours. See Table 1, Section 3.0 for shut down times. All equipment operation and maintenance related issues are detailed in a separate report, entitled "*Monthly Operation and Maintenance Report for the Oconomowoc Electroplating Groundwater Treatment Facility*". That report will be submitted by May 15, 2000.

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-3-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	N/A	N/A	7.5	Monitor	
TSS	6	NT	NT	NT	2.5	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	940	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	160	NT	NT	NT	6	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	30	NT	NT	NT	ND	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	ND	Monitor	
Cyanide	8	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	32	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	16	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	45	NT	ND	NT	ND	7	
1,2-Dichloroethene Trans	15	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	6.2	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	170	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	508	NT	ND	NT	0.44	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	16	NT	NT	NT	9.1	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	ND	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	0.96	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	0.6	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-10-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.7/7.6	11	N/A	N/A	7.2	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND/ND	NT	NT	NT	ND	5	
Barium	110/110	NT	NT	NT	10	400	
Cadmium	ND/ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND/ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND/ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND/ND	NT	NT	NT	ND	10	
Copper	6/ND	NT	NT	NT	ND	Monitor	
Iron	1200/1200	NT	NT	NT	100	Monitor	
Lead	ND/ND	NT	NT	NT	ND	1.5	
Manganese	160/160	NT	NT	NT	10	Monitor	
Mercury	ND/ND	NT	NT	NT	ND	0.2	
Nickel	40/20	NT	NT	NT	15	20	
Selenium	ND/ND	NT	NT	NT	ND	10	
Silver	ND/ND	NT	NT	NT	ND	10	
Thallium	2.2/2.7	NT	NT	NT	ND	0.4	
Zinc	20/20	NT	NT	NT	30	Monitor	
Cyanide	10/20	NT	NT	NT	10	40	
Cyanide Free	ND/ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	32/3	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND/ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	6.4/18	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	36/48	NT	0.29	NT	ND	7	
1,2-Dichloroethene Trans	3.7/15	NT	ND	NT	ND	20	
Ethylbenzene	ND/ND	NT	ND	NT	ND	140	
Methylene Chloride	ND/ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	ND/6.3	NT	ND	NT	ND	0.5	
Toluene	ND/ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	60/194	NT	ND	NT	ND	40	
1,1,2-Trichloroethane	ND/ND	NT	ND	NT	ND	0.5	
TCE	304/596	NT	1.3	NT	0.31	0.5	
Vinyl Chloride	ND/ND	NT	ND	NT	ND	0.2	
Xylene Total	ND/ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-17-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	7.4	11	N/A	N/A	7.3	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	110	NT	NT	NT	10	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	30	NT	NT	NT	ND	Monitor	
Iron	1200	NT	NT	NT	290	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	130	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	20	NT	NT	NT	11	20	
Selenium	ND	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	3.5	NT	NT	NT	ND	0.4	
Zinc	20	NT	NT	NT	20	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	36	NT	ND	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	15	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	50	NT	0.34	NT	ND	7	
1,2-Dichloroethene Trans	14	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	5.2	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	167	NT	0.28	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	528	NT	1.5	NT	0.36	0.5	
Vinyl Chloride	ND	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

OCONOMOWOC GROUNDWATER TREATMENT PLANT							
Weekly Sampling Results					Date:	4-24-00	
Parameter	Influent	After FT-311	After Stripper	Between Carbon Filters	Effluent	WDNR Site Permit ug/l	
pH	8	11.2	N/A	N/A	7.8	Monitor	
TSS	NT	NT	NT	NT	NT	Monitor	mg/l
Arsenic	ND	NT	NT	NT	ND	5	
Barium	120	NT	NT	NT	20	400	
Cadmium	ND	NT	NT	NT	ND	0.5	
Cadmium Total Recoverable	ND	NT	NT	NT	ND	Monitor	
Chromium +6	ND	NT	NT	NT	ND	Monitor	
Chromium Total	ND	NT	NT	NT	ND	10	
Copper	ND	NT	NT	NT	ND	Monitor	
Iron	1100	NT	NT	NT	ND	Monitor	
Lead	ND	NT	NT	NT	ND	1.5	
Manganese	170	NT	NT	NT	ND	Monitor	
Mercury	ND	NT	NT	NT	ND	0.2	
Nickel	30	NT	NT	NT	ND	20	
Selenium	8.2	NT	NT	NT	ND	10	
Silver	ND	NT	NT	NT	ND	10	
Thallium	ND	NT	NT	NT	ND	0.4	
Zinc	ND	NT	NT	NT	20	Monitor	
Cyanide	ND	NT	NT	NT	ND	40	
Cyanide Free	ND	NT	NT	NT	ND	Monitor	
1,1-Dichloroethane	47	NT	0.34	NT	ND	85	
1,2-Dichloroethane	ND	NT	ND	NT	ND	0.5	
1,1-Dichloroethene	18	NT	ND	NT	ND	0.7	
1,2-Dichloroethene Cis	55	NT	0.67	NT	ND	7	
1,2-Dichloroethene Trans	14	NT	ND	NT	ND	20	
Ethylbenzene	ND	NT	ND	NT	ND	140	
Methylene Chloride	ND	NT	ND	NT	ND	0.5	
Tetrachloroethene	5.6	NT	ND	NT	ND	0.5	
Toluene	ND	NT	ND	NT	ND	68	
1,1,1-Trichloroethane	220	NT	0.65	NT	ND	40	
1,1,2-Trichloroethane	ND	NT	ND	NT	ND	0.5	
TCE	578	NT	2.3	NT	0.43	0.5	
Vinyl Chloride	2.2	NT	ND	NT	ND	0.2	
Xylene Total	ND	NT	ND	NT	ND	124	
COD	NT	NT	NT	NT	NT	Monitor	mg/l
Phosphorus Total	NT	NT	NT	NT	NT	Monitor	mg/l
Nitrate + Nitrite	NT	NT	NT	NT	NT	Monitor	mg/l
Ammonia Nitrogen	NT	NT	NT	NT	NT	Monitor	mg/l

FLOW FROM EXTRACTION WELLS

YEAR: 2000				
MONTH: April DAY	FE-100 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	6,857,660.00	30,993.00	0.031	
2	6,888,653.00	28,957.00	0.029	
3	6,917,610.00	35,181.00	0.035	SHUT DOWN
4	6,952,791.00	29,745.00	0.030	
5	6,982,536.00	31,070.00	0.031	
6	7,013,606.00	23,144.00	0.023	
7	7,036,750.00	23,987.00	0.024	SHUT DOWN
8	7,060,737.00	38,527.00	0.039	
9	7,099,264.00	26,660.00	0.027	
10	7,125,924.00	29,829.00	0.030	
11	7,155,753.00	20,123.00	0.020	
12	7,175,876.00	24,975.00	0.025	SHUT DOWN
13	7,200,851.00	29,091.00	0.029	
14	7,229,942.00	23,154.00	0.023	
15	7,253,096.00	36,115.00	0.036	
16	7,289,211.00	26,436.00	0.026	
17	7,315,647.00	29,215.00	0.029	
18	7,344,862.00	28,796.00	0.029	
19	7,373,658.00	27,156.00	0.027	
20	7,400,814.00	26,050.00	0.026	
21	7,426,864.00	24,782.00	0.025	
22	7,451,646.00	27,935.00	0.028	
23	7,479,581.00	32,956.00	0.033	
24	7,512,537.00	22,826.00	0.023	
25	7,535,363.00	27,567.00	0.028	
26	7,562,930.00	32,445.00	0.032	
27	7,595,375.00	26,684.00	0.027	
28	7,622,059.00	18,823.00	0.019	
29	7,640,882.00	30,230.00	0.030	
30	7,671,112.00	28,874.00	0.029	
May 01	7,699,986.00			
		TOTAL	0.843	
		AVERAGE	0.028	

FLOW FROM EQT-100

YEAR: 2000				
MONTH: April DAY	FE-112 FLOW TOTALIZER	TOTAL DAY'S FLOW (GAL.)	DAILY FLOW MGD	
1	403,789.80	41,430.00	0.041	
2	445,219.80	37,696.40	0.038	
3	482,916.20	45,916.40	0.046	SHUT DOWN
4	528,832.60	37,041.10	0.037	
5	565,873.70	39,312.90	0.039	
6	605,186.60	34,150.30	0.034	
7	639,336.90	30,023.90	0.030	SHUT DOWN
8	669,360.80	49,402.30	0.049	
9	718,763.10	35,896.30	0.036	
10	754,659.40	42,630.20	0.043	
11	797,289.60	45,544.70	0.046	
12	842,834.30	34,223.70	0.034	
13	877,058.00	40,768.80	0.041	
14	917,826.80	31,827.00	0.032	
15	949,653.80	49,101.60	0.049	
16	998,755.40	35,847.60	0.036	
17	1,034,603.00	39,358.00	0.039	
18	1,073,961.00	37,729.00	0.038	
19	1,111,690.00	37,356.00	0.037	
20	1,149,046.00	36,034.00	0.036	
21	1,185,080.00	31,638.00	0.032	
22	1,216,718.00	36,037.00	0.036	
23	1,252,755.00	43,868.00	0.044	
24	1,296,623.00	30,821.00	0.031	
25	1,327,444.00	37,144.00	0.037	
26	1,364,588.00	43,915.00	0.044	
27	1,408,503.00	36,351.00	0.036	
28	1,444,854.00	25,339.00	0.025	
29	1,470,193.00	39,712.00	0.040	
30	1,509,905.00	39,659.00	0.040	
May 01	1,549,564.00			
		TOTAL	1.146	
		AVERAGE	0.038	

EFFLUENT FLOW FROM PLANT

YEAR: 2000					
MONTH: April DAY	NPDES STATION TOTALIZER	TOTAL DAY'S FLOW (GAL.)	X2	DAILY FLOW MGD	
1	3,563,988.00	16715.00	33,430.00	0.033	
2	3,580,703.00	13221.00	26,442.00	0.026	
3	3,593,924.00	19020.00	38,040.00	0.038	SHUT DOWN
4	3,612,944.00	13972.00	27,944.00	0.028	
5	3,626,916.00	15536.00	31,072.00	0.031	
6	3,642,452.00	12923.00	25,846.00	0.026	
7	3,655,375.00	12285.00	24,570.00	0.025	SHUT DOWN
8	3,667,660.00	20585.00	41,170.00	0.041	
9	3,688,245.00	14314.00	28,628.00	0.029	
10	3,702,559.00	15626.00	31252.00	0.031	
11	3,718,185.00	9595.00	19190.00	0.019	
12	3,727,780.00	14275.00	28550.00	0.029	
13	3,742,055.00	13095.00	26190.00	0.026	
14	3,755,150.00	13866.00	27732.00	0.028	
15	3,769,016.00	19446.00	38892.00	0.039	
16	3,788,462.00	12996.00	25992.00	0.026	
17	3,801,458.00	14528.00	29056.00	0.029	
18	3,815,986.00	14222.00	28444.00	0.028	
19	3,830,208.00	14273.00	28546.00	0.029	
20	3,844,481.00	13717.00	27434.00	0.027	
21	3,858,198.00	13696.00	27392.00	0.027	
22	3,871,894.00	14160.00	28320.00	0.028	
23	3,886,054.00	16891.00	33782.00	0.034	
24	3,902,945.00	11227.00	22454.00	0.022	
25	3,914,172.00	15955.00	31910.00	0.032	
26	3,930,127.00	15765.00	31530.00	0.032	
27	3,945,892.00	13919.00	27838.00	0.028	
28	3,959,811.00	9762.00	19524.00	0.020	
29	3,969,573.00	15228.00	30456.00	0.030	
30	3,984,801.00	14,378.00	28,756.00	0.029	
May 01	3,999,179.00				
			TOTAL	0.870	
			AVERAGE	0.029	

MONITOR WELL DEPTHS

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

MONITOR WELL DEPTHS

OCONOMOWOC GROUNDWATER TREATMENT PLANT						
MONITORING WELLS		WATER LEVEL	FEET			
DATE	MW12BP	MW12DP	MW13SP	MW14DP	MW15DP	MW16SP
July 31, 1998	4.75	3.78	5.75	4.80	10.49	UNACCESS.
Aug. 31, 1998	5.64	4.48	6.38	4.80	11.64	UNACCESS.
Sept. 17, 1998	5.35	3.20	6.31	4.86	11.10	UNACCESS.
Oct. 7, 1998	4.75	3.65	5.79	4.75	10.60	UNACCESS.
Nov. 23, 1998	4.73	3.70	5.82	4.56	10.46	UNACCESS.
Dec. 15, 1998	4.10	3.00	5.85	4.70	9.95	UNACCESS.
Jan. 18, 1999	4.70	3.70	5.70	5.00	10.50	UNACCESS.
Feb. 3, 1999	3.50	2.48	4.85	3.00	9.27	UNACCESS.
Mar. 3-4, & 16, 1999	3.50	2.70	5.15	3.40	9.20	2.95
Apr. 15,1999	3.61	3.20	4.84	2.60	9.25	2.63
May 10, 1999	3.85	3.05	4.95	2.80	9.45	3.80
June 18, 1999	3.71	3.75	4.87	2.49	9.29	2.81
July 13-14, 1999	4.50	3.65	5.74	3.82	10.19	3.05
August 06, 1999	4.62	3.59	5.48	3.26	10.17	3.32
Sept.13,15,20,23,' 99	6.00	4.90	6.51	4.80	10.95	4.17
October 06, 1999	4.80	3.80	6.00	4.56	10.70	3.40
November 9, 1999	5.80	4.72	6.52	5.63	11.50	5.64
December 6-7, 1999	4.41	3.50	6.17	5.30	10.28	3.10
January 7, 2000	4.40	5.45	6.35	5.60	11.00	4.60
February 7, 2000	5.70	4.65	6.65	5.90	11.50	4.00
March 8-9, 2000	4.52	3.42	5.29	4.24	10.32	2.61
April 6, 2000	4.51	3.95	5.91	4.79	10.15	3.31

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

ORGANIC REPORT

WDNR# 241340550

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

BATCH NUMBER: **20000224**
DATE REPORTED: 04-Apr-00
DATE RECEIVED: 03-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampler
PROJECT NAME: OGTP

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Sample Number: **19099**		QC Prep Batch Number:	993762		*Sample analyzed within*	*0*	*Day(s) from collection.*			
Client ID: **000403WA01P**	Sample Description:				*Collection:*	*4/3/2000*	*Time:*	*10:30*		
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	4/3/2000
1,1,1-Trichloroethane	170	ug/l	2.3	7.3	40	10		8260	cps	4/3/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	4/3/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	4/3/2000
1,1-Dichloroethane	32	ug/l	1.5	4.8	85	10		8260	cps	4/3/2000
1,1-Dichloroethene	16	ug/l	3.6	11	0.7	10		8260	cps	4/3/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	4/3/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	4/3/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	4/3/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	4/3/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/3/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	4/3/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	4/3/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	4/3/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	4/3/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/3/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	4/3/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	4/3/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	4/3/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	4/3/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	4/3/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	4/3/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/3/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	4/3/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	4/3/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	4/3/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	4/3/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	4/3/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	4/3/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	4/3/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	4/3/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	4/3/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	4/3/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	4/3/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	4/3/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	4/3/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	4/3/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	4/3/2000
cis-1,2-Dichloroethene	45	ug/l	2	6.4	7	10		8260	cps	4/3/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	4/3/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000224**
DATE REPORTED: 04-Apr-00
DATE RECEIVED: 03-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampler
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	4/3/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	4/3/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	4/3/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	4/3/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	4/3/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	4/3/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	4/3/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	4/3/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	4/3/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	4/3/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/3/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	4/3/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	4/3/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	4/3/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	4/3/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	4/3/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	4/3/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	4/3/2000
Tetrachloroethene	6.2	ug/l	2.9	9.2	0.5	10	J	8260	cps	4/3/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	4/3/2000
trans-1,2-Dichloroethene	15	ug/l	1.6	5.1	20	10		8260	cps	4/3/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	4/3/2000
Trichloroethene	508	ug/l	1.6	5.1	0.5	10		8260	cps	4/3/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	4/3/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	4/3/2000

Sample Number: **19103** QC Prep Batch Number: 993762 *Sample analyzed within 0 Day(s) from collection*
Client ID: **000403WA07P** Sample Description: *Collection: 4/3/2000 Time: 10:50*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/3/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	4/3/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/3/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/3/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	4/3/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/3/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/3/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/3/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/3/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	4/3/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/3/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/3/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	4/3/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/3/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000224**
DATE REPORTED: 04-Apr-00
DATE RECEIVED: 03-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampler
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/3/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/3/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/3/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/3/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/3/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/3/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/3/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/3/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/3/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/3/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/3/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/3/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/3/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/3/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/3/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/3/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/3/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/3/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/3/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/3/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/3/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/3/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/3/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/3/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	4/3/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/3/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/3/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/3/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/3/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/3/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/3/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/3/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/3/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/3/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/3/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/3/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/3/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/3/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/3/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/3/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/3/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/3/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/3/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000224**
DATE REPORTED: 04-Apr-00
DATE RECEIVED: 03-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampler
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/3/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/3/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/3/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/3/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/3/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	4/3/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/3/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/3/2000
Sample Number: **19104**			QC Prep Batch Number: 993762		*Sample analyzed within*	*0*	*Day(s) from collection.*			
Client ID: **000403WA09P** Sample Description:					*Collection:*	*4/3/2000*	*Time:*	*10:55*		
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/3/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	4/3/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/3/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/3/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	4/3/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/3/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/3/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/3/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/3/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/3/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/3/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/3/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/3/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/3/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/3/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/3/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/3/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/3/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/3/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/3/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/3/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/3/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/3/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/3/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/3/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/3/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/3/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/3/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/3/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/3/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/3/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000224**
DATE REPORTED: 04-Apr-00
DATE RECEIVED: 03-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampler
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/3/2000
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	4/3/2000
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/3/2000
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	4/3/2000
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	4/3/2000
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/3/2000
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/3/2000
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	4/3/2000
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/3/2000
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	4/3/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/3/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	4/3/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	4/3/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/3/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	4/3/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/3/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	4/3/2000
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	4/3/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/3/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/3/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/3/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	4/3/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	4/3/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/3/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/3/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	4/3/2000
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/3/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/3/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	4/3/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	4/3/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/3/2000
Trichloroethene	0.44	ug/l	0.16	0.51	0.5	1	J	8260	cps	4/3/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/3/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/3/2000

Sample Number: **19106** QC Prep Batch Number: 993762 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 4/3/2000 Time:*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1	8260	cps	4/3/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1	8260	cps	4/3/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1	8260	cps	4/3/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1	8260	cps	4/3/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1	8260	cps	4/3/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000224**
DATE REPORTED: 04-Apr-00
DATE RECEIVED: 03-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: Monthly Sampler
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/3/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/3/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/3/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/3/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/3/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/3/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/3/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/3/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/3/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/3/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/3/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/3/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/3/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/3/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/3/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/3/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/3/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/3/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/3/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/3/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/3/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/3/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/3/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/3/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/3/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/3/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/3/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/3/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/3/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/3/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/3/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/3/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/3/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	4/3/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/3/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/3/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/3/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/3/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/3/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/3/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/3/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/3/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/3/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000224**
DATE REPORTED:	04-Apr-00
DATE RECEIVED:	03-Apr-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	Monthly Sampler
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/3/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/3/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/3/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/3/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/3/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/3/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/3/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/3/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/3/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/3/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/3/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/3/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/3/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/3/2000
Trichloroethene	< 0.16	ug/l	0.16	0.51	0.5	1		8260	cps	4/3/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/3/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/3/2000

Approved By: _____ **Date:** 4 7 00

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample.

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000224
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 03-Apr-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: Monthly Sample
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Nova Sample Number: 19099										
Client ID: **000403WA01P**								Collection: 4/3/2000	Time: 10:30	
								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	rf	4/12/2000	*993812*	
Barium - ICAP	**0.11**	**mg/l**	**RJ**	0.007	0.02	200.7	rf	4/6/00	*993781*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	rf	4/4/00	*993773*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	rf	4/6/00	*993781*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	rf	4/6/00	*993781*	
Iron - ICAP	**0.94**	**mg/l**	**RJ**	0.081	0.26	200.7	rf	4/6/00	*993781*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	rf	4/4/00	*993774*	
Manganese - ICAP	**0.16**	**mg/l**	**RJ**	0.006	0.02	200.7	rf	4/6/00	*993781*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	rf	4/6/2000	*993810*	
Nickel - ICAP	**0.03**	**mg/l**	*J* **RJ**	0.011	0.03	200.7	rf	4/6/00	*993781*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	dmd	4/5/2000	*993770*	
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	rf	4/6/00	*993781*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	rf	4/5/00	*993772*	
Zinc - ICAP	**<0.014**	**mg/l**	**RJ**	0.014	0.04	200.7	rf	4/6/00	*993781*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/5/2000	*993851*	
COD. Total	**16**	**mg/l**	*J*	7.3	23	410.4-CT	128053	4/12/2000	*993847*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/19/2000	*993859*	
Cyanide, Total	**0.008**	**mg/l**	*J*	0.006	0.02	335.2	dmd	4/13/2000	*993824*	
pH (water)	**7.4**	**s.u.**	#			150.1	dd	4/3/00	*993754*	
Solids, Total Suspended	**6**	**mg/l**		1	3.2	SM 2540	rf	4/6/00	*993790*	
Nova Sample Number: 19100										
Client ID: **000403WA02P**								Collection: 4/3/2000	Time: 10:35	
								Sample Description:		
pH (water)	**10**	**s.u.**	#			150.1	dd	4/3/00	*993754*	
Nova Sample Number: 19101										
Client ID: **000403WA03P**								Collection: 4/3/2000	Time: 10:40	
								Sample Description:		
pH (water)	**11**	**s.u.**	#			150.1	dd	4/3/00	*993754*	
Nova Sample Number: 19102										
Client ID: **000403WA05P**								Collection: 4/3/2000	Time: 10:45	
								Sample Description:		
pH (water)	**7.4**	**s.u.**	#			150.1	dd	4/3/00	*993754*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000224**
DATE REPORTED:	28-Apr-00
DATE RECEIVED:	03-Apr-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Monthly Sample
PROJECT NAME:	OGTP

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

Nova Sample Number: 19104
Client ID: **000403WA09P**
Collection: 4/3/2000 Time: 10:55
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	3/5/2000	*993851*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/13/2000	*993825*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/13/2000	*993824*	

Nova Sample Number: 19105
Client ID: **000403WA09R**
Collection: 4/3/2000 Time: 11:00
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	**<5.6**	**ug/l**	RJ	5.6	18	206.2	rf	4/12/2000	*993812*	
Barium - ICAP	**0.02**	**mg/l**	*J* RJ	0.007	0.02	200.7	rf	4/6/00	*993781*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	TTR	0.7	2.2	213.2	rf	4/4/00	*993773*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	RJ	0.008	0.03	200.7	rf	4/6/00	*993781*	
Copper- ICAP	**<0.006**	**mg/l**	RJ	0.006	0.02	200.7	rf	4/6/00	*993781*	
Iron - ICAP	**<0.081**	**mg/l**	RJ	0.081	0.26	200.7	rf	4/6/00	*993781*	
Lead - Furnace AA	**<1.5**	**ug/l**	RJ	1.5	4.8	239.2	rf	4/4/00	*993774*	
Manganese - ICAP	**0.006**	**mg/l**	*J* RJ	0.006	0.02	200.7	rf	4/6/00	*993781*	
Mercury CV	**<0.0002**	**mg/l**		0.0002	0.0006	245.1	rf	4/6/2000	*993810*	
Nickel - ICAP	**<0.011**	**mg/l**	RJ	0.011	0.03	200.7	rf	4/6/00	*993781*	
Selenium - Furnace AA	**<4.8**	**ug/l**	RJ	4.8	15	270.2	dmd	4/5/2000	*993770*	
Silver - ICAP	**<0.004**	**mg/l**	RJ	0.004	0.01	200.7	rf	4/6/00	*993781*	
Thallium - Furnace AA	**<1.7**	**ug/l**	RJ	1.7	5.4	279.2	rf	4/5/00	*993772*	
Zinc - ICAP	**<0.014**	**mg/l**	RJ	0.014	0.04	200.7	rf	4/6/00	*993781*	
COD. Total	**9.1**	**mg/l**	*J*	7.3	23	410.4-CT	128053	4/12/2000	*993847*	
Nitrate + Nitrite Nitrogen	**0.96**	**mg/l**		0.024	0.08	353.3	128053	4/12/2000	*993848*	
Nitrogen, Ammonia	**0.6**	**mg/l**	*J*	0.33	1.0	350.1	128053	4/7/2000	*993849*	
pH (water)	**7.5**	**s.u.**	#			150.1	dd	4/3/00	*993754*	
Phosphorus, Total	**<0.1**	**mg/l**		0.1	0.32	365.2	128053	4/14/2000	*993850*	
Solids, Total Suspended	**2.5**	**mg/l**	*J*	1	3.2	SM 2540	rf	4/6/00	*993790*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER	**20000224**
DATE REPORTED:	28-Apr-00
DATE RECEIVED:	03-Apr-00
SAMPLE TEMP (C)	Rec On Ice
PROJECT ID:	Monthly Sample
PROJECT NAME:	OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments

Approved By: _____ **Date:** 4/28/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*

TTR *Result expressed as total and total recoverable.*

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000241**
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Sample Number: **19164** QC Prep Batch Number: 993821 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 4/10/2000 Time: 11:05*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/11/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	4/11/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/11/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/11/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	4/11/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/11/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/11/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/11/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/11/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/11/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/11/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/11/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/11/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/11/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/11/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/11/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/11/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/11/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/11/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/11/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/11/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/11/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/11/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/11/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/11/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/11/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/11/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/11/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/11/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/11/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/11/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/11/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/11/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/11/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/11/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/11/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/11/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/11/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	4/11/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000241**
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	4/11/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/11/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	4/11/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	4/11/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/11/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	4/11/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/11/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	4/11/2000
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	4/11/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/11/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/11/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/11/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	4/11/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	4/11/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/11/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/11/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	4/11/2000
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/11/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/11/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	4/11/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	4/11/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/11/2000
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	cps	4/11/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/11/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/11/2000

Sample Number: **19165** QC Prep Batch Number: 993821 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000410WA01P** Sample Description: *Collection: 4/10/2000 Time: 11:05*

1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	4/11/2000
1,1,1-Trichloroethane	60	ug/l	2.3	7.3	40	10		8260	cps	4/11/2000
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	4/11/2000
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	4/11/2000
1,1-Dichloroethane	32	ug/l	1.5	4.8	85	10		8260	cps	4/11/2000
1,1-Dichloroethene	6.4	ug/l	3.6	11	0.7	10	J	8260	cps	4/11/2000
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	4/11/2000
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	4/11/2000
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	4/11/2000
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	4/11/2000
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/11/2000
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	4/11/2000
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	4/11/2000
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: 20000241
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	4/11/2000
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/11/2000
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	4/11/2000
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	4/11/2000
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	4/11/2000
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	4/11/2000
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	4/11/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	4/11/2000
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/11/2000
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	4/11/2000
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	4/11/2000
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	4/11/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	4/11/2000
Benzene	<1.9	ug/l	1.9	6	0.5	10		8260	cps	4/11/2000
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	4/11/2000
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	4/11/2000
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	4/11/2000
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	4/11/2000
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	4/11/2000
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	4/11/2000
Chlorobenzene	<2	ug/l	2	6.4	20	10		8260	cps	4/11/2000
Chloroethane	<12	ug/l	12	37	80	10		8260	cps	4/11/2000
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	4/11/2000
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	4/11/2000
cis-1,2-Dichloroethene	36	ug/l	2	6.4	7	10		8260	cps	4/11/2000
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	4/11/2000
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	4/11/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	4/11/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	4/11/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	4/11/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	4/11/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	4/11/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	4/11/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	4/11/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	4/11/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	4/11/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/11/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	4/11/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	4/11/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	4/11/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	4/11/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	4/11/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000241**
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	4/11/2000
Tetrachloroethene	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	4/11/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	4/11/2000
trans-1,2-Dichloroethene	3.7	ug/l	1.6	5.1	20	10	J	8260	cps	4/11/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	4/11/2000
Trichloroethene	304	ug/l	1.6	5.1	0.5	10		8260	cps	4/11/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	4/11/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	4/11/2000

Sample Number: **19166** QC Prep Batch Number: 993821 *Sample analyzed within 1 Day(s) from collection.*
Client ID: **000410WA01Q** Sample Description: *Collection: 4/10/2000 Time: 11:05*

1,1,1,2-Tetrachloroethane	<2	ug/l	2	6.4	ns	10		8260	cps	4/11/2000
1,1,1-Trichloroethane	194	ug/l	2.3	7.3	40	10		8260	cps	4/11/2000
1,1,2,2-Tetrachloroethane	<2.9	ug/l	2.9	9.2	0.02	10		8260	cps	4/11/2000
1,1,2-Trichloroethane	<2.9	ug/l	2.9	9.2	0.5	10		8260	cps	4/11/2000
1,1-Dichloroethane	33	ug/l	1.5	4.8	85	10		8260	cps	4/11/2000
1,1-Dichloroethene	18	ug/l	3.6	11	0.7	10		8260	cps	4/11/2000
1,1-Dichloropropene	<4.9	ug/l	4.9	16	ns	10		8260	cps	4/11/2000
1,2,3-Trichlorobenzene	<2.2	ug/l	2.2	7	ns	10		8260	cps	4/11/2000
1,2,3-Trichloropropane	<6	ug/l	6	19	ns	10		8260	cps	4/11/2000
1,2,4-Trichlorobenzene	<1.6	ug/l	1.6	5.1	14	10		8260	cps	4/11/2000
1,2,4-Trimethylbenzene	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/11/2000
1,2-Dibromoethane	<2.4	ug/l	2.4	7.6	0.005	10		8260	cps	4/11/2000
1,2-Dichlorobenzene	<2	ug/l	2	6.4	60	10		8260	cps	4/11/2000
1,2-Dichloroethane	<1.9	ug/l	1.9	6	0.5	10		8260	cps	4/11/2000
1,2-Dichloropropane	<2.3	ug/l	2.3	7.3	0.5	10		8260	cps	4/11/2000
1,3,5-Trimethylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/11/2000
1,3-Dichlorobenzene	<1.9	ug/l	1.9	6	125	10		8260	cps	4/11/2000
1,3-Dichloropropane	<2.1	ug/l	2.1	6.7	ns	10		8260	cps	4/11/2000
1,4-Dichlorobenzene	<1.5	ug/l	1.5	4.8	15	10		8260	cps	4/11/2000
12Dibromo-3-chloropropan	<5.9	ug/l	5.9	19	0.02	10		8260	cps	4/11/2000
2,2-Dichloropropane	<4	ug/l	4	13	ns	10		8260	cps	4/11/2000
2-Butanone (MEK)	<14	ug/l	14	44	90	10		8260	cps	4/11/2000
2-Chloroethyl Vinyl Ether	<2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/11/2000
2-Chlorotoluene	<1.5	ug/l	1.5	4.8	ns	10		8260	cps	4/11/2000
4-Chlorotoluene	<2.5	ug/l	2.5	8	ns	10		8260	cps	4/11/2000
4-Methyl-2-Pentanone	<8.4	ug/l	8.4	27	50	10		8260	cps	4/11/2000
Acetone	<16	ug/l	16	49	200	10		8260	cps	4/11/2000
Benzene	<1.9	ug/l	1.9	6	0.5	10		8260	cps	4/11/2000
Bromobenzene	<1.9	ug/l	1.9	6	ns	10		8260	cps	4/11/2000
Bromochloromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	4/11/2000
Bromodichloromethane	<2.6	ug/l	2.6	8.3	0.06	10		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000241**
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	<4.7	ug/l	4.7	15	0.44	10		8260	cps	4/11/2000
Bromomethane	<2.1	ug/l	2.1	6.7	1	10		8260	cps	4/11/2000
Carbon tetrachloride	<2.2	ug/l	2.2	7	0.5	10		8260	cps	4/11/2000
Chlorobenzene	<2	ug/l	2	6.4	20	10		8260	cps	4/11/2000
Chloroethane	<12	ug/l	12	37	80	10		8260	cps	4/11/2000
Chloroform	<2.7	ug/l	2.7	8.6	0.6	10		8260	cps	4/11/2000
Chloromethane	<7.7	ug/l	7.7	24	0.3	10		8260	cps	4/11/2000
cis-1,2-Dichloroethene	48	ug/l	2	6.4	7	10		8260	cps	4/11/2000
cis-1,3-Dichloropropene	<2.4	ug/l	2.4	7.6	0.02	10		8260	cps	4/11/2000
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	4/11/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	4/11/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	4/11/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	4/11/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	4/11/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	4/11/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	4/11/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	4/11/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	4/11/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	4/11/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/11/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	4/11/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	4/11/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	4/11/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	4/11/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	4/11/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	4/11/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	4/11/2000
Tetrachloroethene	6.3	ug/l	2.9	9.2	0.5	10	*J*	8260	cps	4/11/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	4/11/2000
trans-1,2-Dichloroethene	15	ug/l	1.6	5.1	20	10		8260	cps	4/11/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	4/11/2000
Trichloroethene	596	ug/l	1.6	5.1	0.5	10		8260	cps	4/11/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	4/11/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	4/11/2000

Sample Number: **19167** QC Prep Batch Number: 993821 *Sample analyzed within 1 Day(s) from collection*
Client ID: **000410WA09P** Sample Description: *Collection: 4/10/2000 Time: 11:30*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/11/2000
1,1,1-Trichloroethane	<0.23	ug/l	0.23	0.73	40	1		8260	cps	4/11/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/11/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/11/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000241**
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 11-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/11/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/11/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/11/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/11/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/11/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/11/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/11/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/11/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/11/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/11/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/11/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/11/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/11/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/11/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/11/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/11/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/11/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/11/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/11/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/11/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/11/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/11/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/11/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/11/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/11/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/11/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/11/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/11/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/11/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/11/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/11/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/11/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/11/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	4/11/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/11/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/11/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/11/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/11/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/11/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/11/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/11/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/11/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000241**
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 11-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/11/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/11/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/11/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/11/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/11/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/11/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/11/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/11/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/11/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/11/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/11/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/11/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/11/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/11/2000
Trichloroethene	0.31	ug/l	0.16	0.51	0.5	1	J	8260	cps	4/11/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/11/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/11/2000

Sample Number: 19171 QC Prep Batch Number: 993821 *Sample analyzed within 1 Day(s) from collection.*
Client ID: 000410WA07P Sample Description: *Collection: 4/10/2000 Time: 11:17*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/11/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	4/11/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/11/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/11/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	4/11/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/11/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/11/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/11/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/11/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/11/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/11/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/11/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/11/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/11/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/11/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/11/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/11/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/11/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/11/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/11/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/11/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000241**
DATE REPORTED: 12-Apr-00
DATE RECEIVED: 11-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/11/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/11/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/11/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/11/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/11/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/11/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/11/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/11/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/11/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/11/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/11/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/11/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/11/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/11/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/11/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/11/2000
cis-1,2-Dichloroethene	0.29	ug/l	0.2	0.64	7	1	J	8260	cps	4/11/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/11/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/11/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/11/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/11/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/11/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/11/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/11/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/11/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/11/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/11/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/11/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/11/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/11/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/11/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/11/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/11/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/11/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/11/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/11/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/11/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/11/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/11/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/11/2000
Trichloroethene	1.3	ug/l	0.16	0.51	0.5	1		8260	cps	4/11/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/11/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/11/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000241**
DATE REPORTED:	12-Apr-00
DATE RECEIVED:	11-Apr-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	
PROJECT NAME:	OGTP

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal

Approved By: _____ **Date:** 4/12/00

James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample.

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000241
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Nova Sample Number: 19165
Client ID: **000410WA01P**
Collection: 4/10/2000 Time: 11:05
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	rf	4/12/2000	993812	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	dmd	4/18/2000	993845	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	4/11/2000	993816	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	dmd	4/18/2000	993845	
Copper- ICAP	0.006	mg/l	J RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Iron - ICAP	1.2	mg/l	RJ	0.081	0.26	200.7	dmd	4/18/2000	993845	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	4/12/2000	993817	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	rf	4/14/2000	993841	
Nickel - ICAP	0.04	mg/l	RJ	0.011	0.03	200.7	dmd	4/18/2000	993845	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	dmd	4/19/2000	993843	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	dmd	4/18/2000	993845	
Thallium - Furnace AA	2.2	ug/l	J RJ	1.7	5.4	279.2	dmd	4/18/2000	993842	
Zinc - ICAP	0.02	mg/l	J RJ	0.014	0.04	200.7	dmd	4/18/2000	993845	
Chromium, Hexavalent	<0.0042	mg/l		0.004	0.01	SM 3500	128053	4/14/2000	993831	
pH (water)	7.7	s.u.	#			150.1	dg	4/10/00	993822	

Nova Sample Number: 19166
Client ID: **000410WA01Q**
Collection: 4/10/2000 Time: 11:05
Sample Description:

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l	RJ	5.6	18	206.2	rf	4/12/2000	993812	
Barium - ICAP	0.11	mg/l	RJ	0.007	0.02	200.7	dmd	4/18/2000	993845	
Cadmium - Furnace AA	<0.7	ug/l	TTR	0.7	2.2	213.2	rf	4/11/2000	993816	
Chromium, Total - ICAP	<0.008	mg/l	RJ	0.008	0.03	200.7	dmd	4/18/2000	993845	
Copper- ICAP	<0.006	mg/l	RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Iron - ICAP	1.2	mg/l	RJ	0.081	0.26	200.7	dmd	4/18/2000	993845	
Lead - Furnace AA	<1.5	ug/l	RJ	1.5	4.8	239.2	rf	4/12/2000	993817	
Manganese - ICAP	0.16	mg/l	RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Mercury CV	<0.0002	mg/l	RJ	0.0002	0.0006	245.1	rf	4/14/2000	993841	
Nickel - ICAP	0.02	mg/l	J RJ	0.011	0.03	200.7	dmd	4/18/2000	993845	
Selenium - Furnace AA	<4.8	ug/l	RJ	4.8	15	270.2	dmd	4/19/2000	993843	
Silver - ICAP	<0.004	mg/l	RJ	0.004	0.01	200.7	dmd	4/18/2000	993845	
Thallium - Furnace AA	2.7	ug/l	J RJ	1.7	5.4	279.2	dmd	4/18/2000	993842	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000241
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Zinc - ICAP	**0.02**	**mg/l**	*J* **RJ**	0.014	0.04	200.7	dmd	4/18/2000	*993845*	
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	4/14/2000	*993831*	
pH (water)	**7.6**	**s.u.**	#			150.1	dg	4/10/00	*993822*	
Nova Sample Number: 19167										
Client ID: **000410WA09P**								Collection: 4/10/2000		Time: 11:30
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	4/14/2000	*993831*	
pH (water)	**7.2**	**s.u.**	#			150.1	dg	4/10/00	*993822*	
Nova Sample Number: 19168										
Client ID: **000410WA03P**								Collection: 4/10/2000		Time: 11:12
								Sample Description:		
pH (water)	**11**	**s.u.**	#			150.1	dg	4/10/00	*993822*	
Nova Sample Number: 19169										
Client ID: **000410WA05P**								Collection: 4/10/2000		Time: 11:15
								Sample Description:		
pH (water)	**7.4**	**s.u.**	#			150.1	dg	4/10/00	*993822*	
Nova Sample Number: 19170										
Client ID: **000410WA02P**								Collection: 4/10/2000		Time: 11:10
								Sample Description:		
pH (water)	**10**	**s.u.**	#			150.1	dg	4/10/00	*993822*	
Nova Sample Number: 19172										
Client ID: **000410WA009R**								Collection: 4/10/2000		Time: 13:30
								Sample Description:		
Arsenic - Furnace AA	**<5.6**	**ug/l**	**RJ**	5.6	18	206.2	rf	4/12/2000	*993812*	
Barium - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.007	0.02	200.7	dmd	4/18/2000	*993845*	
Cadmium - Furnace AA	**<0.7**	**ug/l**	**TTR**	0.7	2.2	213.2	rf	4/11/2000	*993816*	
Chromium, Total - ICAP	**<0.008**	**mg/l**	**RJ**	0.008	0.03	200.7	dmd	4/18/2000	*993845*	
Copper- ICAP	**<0.006**	**mg/l**	**RJ**	0.006	0.02	200.7	dmd	4/18/2000	*993845*	
Iron - ICAP	**0.1**	**mg/l**	*J* **RJ**	0.081	0.26	200.7	dmd	4/18/2000	*993845*	
Lead - Furnace AA	**<1.5**	**ug/l**	**RJ**	1.5	4.8	239.2	rf	4/12/2000	*993817*	
Manganese - ICAP	**0.01**	**mg/l**	*J* **RJ**	0.006	0.02	200.7	dmd	4/18/2000	*993845*	
Mercury CV	**<0.0002**	**mg/l**	**RJ**	0.0002	0.0006	245.1	rf	4/14/2000	*993841*	
Nickel - ICAP	**15**	**ug/l**	*J* **RJ**	11	35	200.7	dmd	4/18/2000	*993845*	
Selenium - Furnace AA	**<4.8**	**ug/l**	**RJ**	4.8	15	270.2	dmd	4/19/2000	*993843*	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000241
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 10-Apr-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID:
PROJECT NAME: OGTP

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd	4/18/2000	*993845*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	dmd	4/18/2000	*993842*	
Zinc - ICAP	**0.03**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	dmd	4/18/2000	*993845*	
Nova Sample Number: 19194										
Client ID: **000411WA01P**								Collection: 4/11/2000		Time: 11:55
								Sample Description:		
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/19/2000	*993859*	
Cyanide, Total	**0.01**	**mg/l**	***J***	0.006	0.02	335.2	dmd	4/13/2000	*993824*	
Nova Sample Number: 19195										
Client ID: **000411WA01Q**								Collection: 4/11/2000		Time: 11:57
								Sample Description:		
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/19/2000	*993859*	
Cyanide, Total	**0.02**	**mg/l**		0.006	0.02	335.2	dmd	4/13/2000	*993824*	
Nova Sample Number: 19196										
Client ID: **000411WA09P**								Collection: 4/11/2000		Time: 13:00
								Sample Description:		
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/19/2000	*993859*	
Cyanide, Total	**0.01**	**mg/l**	***J***	0.006	0.02	335.2	dmd	4/13/2000	*993824*	

Approved By: _____ **Date:** 4/28/00

James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*
TTR *Result expressed as total and total recoverable.*

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

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

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000256**
DATE REPORTED:	18-Apr-00
DATE RECEIVED:	17-Apr-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	WEEKLY SAMPLE

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

Sample Number: **19226** QC Prep Batch Number: 993844 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000417WA01P** Sample Description: *Collection: 4/17/2000 Time: 11:00*

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1,1,2-Tetrachloroethane	< 2	ug/l	2	6.4	ns	10		8260	cps	4/17/2000
1,1,1-Trichloroethane	167	ug/l	2.3	7.3	40	10		8260	cps	4/17/2000
1,1,2,2-Tetrachloroethane	< 2.9	ug/l	2.9	9.2	0.02	10		8260	cps	4/17/2000
1,1,2-Trichloroethane	< 2.9	ug/l	2.9	9.2	0.5	10		8260	cps	4/17/2000
1,1-Dichloroethane	36	ug/l	1.5	4.8	85	10		8260	cps	4/17/2000
1,1-Dichloroethene	15	ug/l	3.6	11	0.7	10		8260	cps	4/17/2000
1,1-Dichloropropene	< 4.9	ug/l	4.9	16	ns	10		8260	cps	4/17/2000
1,2,3-Trichlorobenzene	< 2.2	ug/l	2.2	7	ns	10		8260	cps	4/17/2000
1,2,3-Trichloropropane	< 6	ug/l	6	19	ns	10		8260	cps	4/17/2000
1,2,4-Trichlorobenzene	< 1.6	ug/l	1.6	5.1	14	10		8260	cps	4/17/2000
1,2,4-Trimethylbenzene	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/17/2000
1,2-Dibromoethane	< 2.4	ug/l	2.4	7.6	0.005	10		8260	cps	4/17/2000
1,2-Dichlorobenzene	< 2	ug/l	2	6.4	60	10		8260	cps	4/17/2000
1,2-Dichloroethane	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	4/17/2000
1,2-Dichloropropane	< 2.3	ug/l	2.3	7.3	0.5	10		8260	cps	4/17/2000
1,3,5-Trimethylbenzene	< 2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/17/2000
1,3-Dichlorobenzene	< 1.9	ug/l	1.9	6	125	10		8260	cps	4/17/2000
1,3-Dichloropropane	< 2.1	ug/l	2.1	6.7	ns	10		8260	cps	4/17/2000
1,4-Dichlorobenzene	< 1.5	ug/l	1.5	4.8	15	10		8260	cps	4/17/2000
12Dibromo-3-chloropropan	< 5.9	ug/l	5.9	19	0.02	10		8260	cps	4/17/2000
2,2-Dichloropropane	< 4	ug/l	4	13	ns	10		8260	cps	4/17/2000
2-Butanone (MEK)	< 14	ug/l	14	44	90	10		8260	cps	4/17/2000
2-Chloroethyl Vinyl Ether	< 2.9	ug/l	2.9	9.2	ns	10		8260	cps	4/17/2000
2-Chlorotoluene	< 1.5	ug/l	1.5	4.8	ns	10		8260	cps	4/17/2000
4-Chlorotoluene	< 2.5	ug/l	2.5	8	ns	10		8260	cps	4/17/2000
4-Methyl-2-Pentanone	< 8.4	ug/l	8.4	27	50	10		8260	cps	4/17/2000
Acetone	< 16	ug/l	16	49	200	10		8260	cps	4/17/2000
Benzene	< 1.9	ug/l	1.9	6	0.5	10		8260	cps	4/17/2000
Bromobenzene	< 1.9	ug/l	1.9	6	ns	10		8260	cps	4/17/2000
Bromochloromethane	< 3.4	ug/l	3.4	11	ns	10		8260	cps	4/17/2000
Bromodichloromethane	< 2.6	ug/l	2.6	8.3	0.06	10		8260	cps	4/17/2000
Bromoform	< 4.7	ug/l	4.7	15	0.44	10		8260	cps	4/17/2000
Bromomethane	< 2.1	ug/l	2.1	6.7	1	10		8260	cps	4/17/2000
Carbon tetrachloride	< 2.2	ug/l	2.2	7	0.5	10		8260	cps	4/17/2000
Chlorobenzene	< 2	ug/l	2	6.4	20	10		8260	cps	4/17/2000
Chloroethane	< 12	ug/l	12	37	80	10		8260	cps	4/17/2000
Chloroform	< 2.7	ug/l	2.7	8.6	0.6	10		8260	cps	4/17/2000
Chloromethane	< 7.7	ug/l	7.7	24	0.3	10		8260	cps	4/17/2000
cis-1,2-Dichloroethene	50	ug/l	2	6.4	7	10		8260	cps	4/17/2000
cis-1,3-Dichloropropene	< 2.4	ug/l	2.4	7.6	0.02	10		8260	cps	4/17/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000256**
DATE REPORTED: 18-Apr-00
DATE RECEIVED: 17-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: WEEKLY SAMPLE

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Dibromochloromethane	<2.1	ug/l	2.1	6.7	6	10		8260	cps	4/17/2000
Dibromomethane	<3.5	ug/l	3.5	11	ns	10		8260	cps	4/17/2000
Dichlorodifluoromethane	<3.6	ug/l	3.6	11	200	10		8260	cps	4/17/2000
Ethylbenzene	<1.6	ug/l	1.6	5.1	140	10		8260	cps	4/17/2000
Hexachlorobutadiene	<2.2	ug/l	2.2	7	ns	10		8260	cps	4/17/2000
Isopropyl Ether	<3.2	ug/l	3.2	10	ns	10		8260	cps	4/17/2000
Isopropylbenzene	<1.6	ug/l	1.6	5.1	ns	10		8260	cps	4/17/2000
m&p-xylene	<3.6	ug/l	3.6	11	124	10		8260	cps	4/17/2000
Methyl-t-butyl ether	<2.1	ug/l	2.1	6.7	12	10		8260	cps	4/17/2000
Methylene chloride	<7.6	ug/l	7.6	24	0.5	10		8260	cps	4/17/2000
n-Butylbenzene	<2.3	ug/l	2.3	7.3	ns	10		8260	cps	4/17/2000
n-Propylbenzene	<2.5	ug/l	2.5	8	ns	10		8260	cps	4/17/2000
Naphthalene	<4.6	ug/l	4.6	15	8	10		8260	cps	4/17/2000
o-xylene	<1.8	ug/l	1.8	5.7	124	10		8260	cps	4/17/2000
p-Isopropyltoluene	<1.8	ug/l	1.8	5.7	ns	10		8260	cps	4/17/2000
sec-Butylbenzene	<3	ug/l	3	9.5	ns	10		8260	cps	4/17/2000
Styrene	<2.1	ug/l	2.1	6.7	10	10		8260	cps	4/17/2000
tert-Butylbenzene	<2	ug/l	2	6.4	ns	10		8260	cps	4/17/2000
Tetrachloroethene	5.2	ug/l	2.9	9.2	0.5	10	J	8260	cps	4/17/2000
Toluene	<3.3	ug/l	3.3	10	68.6	10		8260	cps	4/17/2000
trans-1,2-Dichloroethene	14	ug/l	1.6	5.1	20	10		8260	cps	4/17/2000
trans-1,3-Dichloropropene	<2	ug/l	2	6.4	0.02	10		8260	cps	4/17/2000
Trichloroethene	528	ug/l	1.6	5.1	0.5	10		8260	cps	4/17/2000
Trichlorofluoromethane	<3.4	ug/l	3.4	11	ns	10		8260	cps	4/17/2000
Vinyl chloride	<2.1	ug/l	2.1	6.7	0.02	10		8260	cps	4/17/2000

Sample Number: **19230** QC Prep Batch Number: 993844 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000417WA07P** Sample Description: *Collection: 4/17/2000 Time: 11:20*

1,1,1,2-Tetrachloroethane	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/17/2000
1,1,1-Trichloroethane	0.28	ug/l	0.23	0.73	40	1	J	8260	cps	4/17/2000
1,1,2,2-Tetrachloroethane	<0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/17/2000
1,1,2-Trichloroethane	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/17/2000
1,1-Dichloroethane	<0.15	ug/l	0.15	0.48	85	1		8260	cps	4/17/2000
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/17/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/17/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/17/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/17/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	4/17/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/17/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/17/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	4/17/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/17/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000256**
DATE REPORTED: 18-Apr-00
DATE RECEIVED: 17-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: WEEKLY SAMPLE

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/17/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/17/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/17/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/17/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/17/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/17/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/17/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/17/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/17/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/17/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/17/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/17/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/17/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/17/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/17/2000
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/17/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/17/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/17/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/17/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/17/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/17/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/17/2000
cis-1,2-Dichloroethene	0.34	ug/l	0.2	0.64	7	1	J	8260	cps	4/17/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/17/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/17/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/17/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/17/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/17/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/17/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/17/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/17/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/17/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/17/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/17/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/17/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/17/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/17/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/17/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/17/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/17/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/17/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000256**
DATE REPORTED: 18-Apr-00
DATE RECEIVED: 17-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: WEEKLY SAMPLE

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/17/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/17/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/17/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/17/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/17/2000
Trichloroethene	1.5	ug/l	0.16	0.51	0.5	1		8260	cps	4/17/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/17/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/17/2000

Sample Number: **19231** QC Prep Batch Number: 993844 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **000417WA09P** Sample Description: *Collection: 4/17/2000 Time: 11:25*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/17/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	4/17/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/17/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/17/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	4/17/2000
1,1-Dichloroethene	< 0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/17/2000
1,1-Dichloropropene	< 0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/17/2000
1,2,3-Trichlorobenzene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/17/2000
1,2,3-Trichloropropane	< 0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/17/2000
1,2,4-Trichlorobenzene	< 0.16	ug/l	0.16	0.51	14	1		8260	cps	4/17/2000
1,2,4-Trimethylbenzene	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/17/2000
1,2-Dibromoethane	< 0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/17/2000
1,2-Dichlorobenzene	< 0.2	ug/l	0.2	0.64	60	1		8260	cps	4/17/2000
1,2-Dichloroethane	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/17/2000
1,2-Dichloropropane	< 0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/17/2000
1,3,5-Trimethylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/17/2000
1,3-Dichlorobenzene	< 0.19	ug/l	0.19	0.6	125	1		8260	cps	4/17/2000
1,3-Dichloropropane	< 0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/17/2000
1,4-Dichlorobenzene	< 0.15	ug/l	0.15	0.48	15	1		8260	cps	4/17/2000
12Dibromo-3-chloropropan	< 0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/17/2000
2,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/17/2000
2-Butanone (MEK)	< 1.4	ug/l	1.4	4.4	90	1		8260	cps	4/17/2000
2-Chloroethyl Vinyl Ether	< 0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/17/2000
2-Chlorotoluene	< 0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/17/2000
4-Chlorotoluene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/17/2000
4-Methyl-2-Pentanone	< 0.84	ug/l	0.84	2.7	50	1		8260	cps	4/17/2000
Acetone	< 1.6	ug/l	1.6	4.9	200	1		8260	cps	4/17/2000
Benzene	< 0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/17/2000
Bromobenzene	< 0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/17/2000
Bromochloromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/17/2000
Bromodichloromethane	< 0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/17/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000256**
DATE REPORTED: 18-Apr-00
DATE RECEIVED: 17-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: WEEKLY SAMPLE

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Bromoform	< 0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/17/2000
Bromomethane	< 0.21	ug/l	0.21	0.67	1	1		8260	cps	4/17/2000
Carbon tetrachloride	< 0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/17/2000
Chlorobenzene	< 0.2	ug/l	0.2	0.64	20	1		8260	cps	4/17/2000
Chloroethane	< 1.2	ug/l	1.2	3.7	80	1		8260	cps	4/17/2000
Chloroform	< 0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/17/2000
Chloromethane	< 0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/17/2000
cis-1,2-Dichloroethene	< 0.2	ug/l	0.2	0.64	7	1		8260	cps	4/17/2000
cis-1,3-Dichloropropene	< 0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/17/2000
Dibromochloromethane	< 0.21	ug/l	0.21	0.67	6	1		8260	cps	4/17/2000
Dibromomethane	< 0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/17/2000
Dichlorodifluoromethane	< 0.36	ug/l	0.36	1.1	200	1		8260	cps	4/17/2000
Ethylbenzene	< 0.16	ug/l	0.16	0.51	140	1		8260	cps	4/17/2000
Hexachlorobutadiene	< 0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/17/2000
Isopropyl Ether	< 0.32	ug/l	0.32	1	ns	1		8260	cps	4/17/2000
Isopropylbenzene	< 0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/17/2000
m&p-xylene	< 0.36	ug/l	0.36	1.1	124	1		8260	cps	4/17/2000
Methyl-t-butyl ether	< 0.21	ug/l	0.21	0.67	12	1		8260	cps	4/17/2000
Methylene chloride	< 0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/17/2000
n-Butylbenzene	< 0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/17/2000
n-Propylbenzene	< 0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/17/2000
Naphthalene	< 0.46	ug/l	0.46	1.5	8	1		8260	cps	4/17/2000
o-xylene	< 0.18	ug/l	0.18	0.57	124	1		8260	cps	4/17/2000
p-Isopropyltoluene	< 0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/17/2000
sec-Butylbenzene	< 0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/17/2000
Styrene	< 0.21	ug/l	0.21	0.67	10	1		8260	cps	4/17/2000
tert-Butylbenzene	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/17/2000
Tetrachloroethene	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/17/2000
Toluene	< 0.33	ug/l	0.33	1	68.6	1		8260	cps	4/17/2000
trans-1,2-Dichloroethene	< 0.16	ug/l	0.16	0.51	20	1		8260	cps	4/17/2000
trans-1,3-Dichloropropene	< 0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/17/2000
Trichloroethene	0.36	ug/l	0.16	0.51	0.5	1	J	8260	cps	4/17/2000
Trichlorofluoromethane	< 0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/17/2000
Vinyl chloride	< 0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/17/2000

Sample Number: **19233** QC Prep Batch Number: 993844 *Sample analyzed within 0 Day(s) from collection.*
Client ID: **Trip Blank** Sample Description: *Collection: 4/17/2000 Time:*

1,1,1,2-Tetrachloroethane	< 0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/17/2000
1,1,1-Trichloroethane	< 0.23	ug/l	0.23	0.73	40	1		8260	cps	4/17/2000
1,1,2,2-Tetrachloroethane	< 0.29	ug/l	0.29	0.92	0.02	1		8260	cps	4/17/2000
1,1,2-Trichloroethane	< 0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/17/2000
1,1-Dichloroethane	< 0.15	ug/l	0.15	0.48	85	1		8260	cps	4/17/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER: **20000256**
DATE REPORTED: 18-Apr-00
DATE RECEIVED: 17-Apr-00
SAMPLE TEMP (C): Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: WEEKLY SAMPLE

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
1,1-Dichloroethene	<0.36	ug/l	0.36	1.1	0.7	1		8260	cps	4/17/2000
1,1-Dichloropropene	<0.49	ug/l	0.49	1.6	ns	1		8260	cps	4/17/2000
1,2,3-Trichlorobenzene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/17/2000
1,2,3-Trichloropropane	<0.6	ug/l	0.6	1.9	ns	1		8260	cps	4/17/2000
1,2,4-Trichlorobenzene	<0.16	ug/l	0.16	0.51	14	1		8260	cps	4/17/2000
1,2,4-Trimethylbenzene	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/17/2000
1,2-Dibromoethane	<0.24	ug/l	0.24	0.76	0.005	1		8260	cps	4/17/2000
1,2-Dichlorobenzene	<0.2	ug/l	0.2	0.64	60	1		8260	cps	4/17/2000
1,2-Dichloroethane	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/17/2000
1,2-Dichloropropane	<0.23	ug/l	0.23	0.73	0.5	1		8260	cps	4/17/2000
1,3,5-Trimethylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/17/2000
1,3-Dichlorobenzene	<0.19	ug/l	0.19	0.6	125	1		8260	cps	4/17/2000
1,3-Dichloropropane	<0.21	ug/l	0.21	0.67	ns	1		8260	cps	4/17/2000
1,4-Dichlorobenzene	<0.15	ug/l	0.15	0.48	15	1		8260	cps	4/17/2000
12Dibromo-3-chloropropan	<0.59	ug/l	0.59	1.9	0.02	1		8260	cps	4/17/2000
2,2-Dichloropropane	<0.4	ug/l	0.4	1.3	ns	1		8260	cps	4/17/2000
2-Butanone (MEK)	<1.4	ug/l	1.4	4.4	90	1		8260	cps	4/17/2000
2-Chloroethyl Vinyl Ether	<0.29	ug/l	0.29	0.92	ns	1		8260	cps	4/17/2000
2-Chlorotoluene	<0.15	ug/l	0.15	0.48	ns	1		8260	cps	4/17/2000
4-Chlorotoluene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/17/2000
4-Methyl-2-Pentanone	<0.84	ug/l	0.84	2.7	50	1		8260	cps	4/17/2000
Acetone	<1.6	ug/l	1.6	4.9	200	1		8260	cps	4/17/2000
Benzene	<0.19	ug/l	0.19	0.6	0.5	1		8260	cps	4/17/2000
Bromobenzene	<0.19	ug/l	0.19	0.6	ns	1		8260	cps	4/17/2000
Bromochloromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/17/2000
Bromodichloromethane	<0.26	ug/l	0.26	0.83	0.06	1		8260	cps	4/17/2000
Bromoform	<0.47	ug/l	0.47	1.5	0.44	1		8260	cps	4/17/2000
Bromomethane	<0.21	ug/l	0.21	0.67	1	1		8260	cps	4/17/2000
Carbon tetrachloride	<0.22	ug/l	0.22	0.7	0.5	1		8260	cps	4/17/2000
Chlorobenzene	<0.2	ug/l	0.2	0.64	20	1		8260	cps	4/17/2000
Chloroethane	<1.2	ug/l	1.2	3.7	80	1		8260	cps	4/17/2000
Chloroform	<0.27	ug/l	0.27	0.86	0.6	1		8260	cps	4/17/2000
Chloromethane	<0.77	ug/l	0.77	2.4	0.3	1		8260	cps	4/17/2000
cis-1,2-Dichloroethene	<0.2	ug/l	0.2	0.64	7	1		8260	cps	4/17/2000
cis-1,3-Dichloropropene	<0.24	ug/l	0.24	0.76	0.02	1		8260	cps	4/17/2000
Dibromochloromethane	<0.21	ug/l	0.21	0.67	6	1		8260	cps	4/17/2000
Dibromomethane	<0.35	ug/l	0.35	1.1	ns	1		8260	cps	4/17/2000
Dichlorodifluoromethane	<0.36	ug/l	0.36	1.1	200	1		8260	cps	4/17/2000
Ethylbenzene	<0.16	ug/l	0.16	0.51	140	1		8260	cps	4/17/2000
Hexachlorobutadiene	<0.22	ug/l	0.22	0.7	ns	1		8260	cps	4/17/2000
Isopropyl Ether	<0.32	ug/l	0.32	1	ns	1		8260	cps	4/17/2000
Isopropylbenzene	<0.16	ug/l	0.16	0.51	ns	1		8260	cps	4/17/2000
m&p-xylene	<0.36	ug/l	0.36	1.1	124	1		8260	cps	4/17/2000

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

ORGANIC REPORT

WDNR# 241340550

BATCH NUMBER:	**20000256**
DATE REPORTED:	18-Apr-00
DATE RECEIVED:	17-Apr-00
SAMPLE TEMP (C):	Rec On Ice
PROJECT ID:	OGTP
PROJECT NAME:	WEEKLY SAMPLE

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

Compound	Result	Units	LOD	LOQ	PAL	Dil	RQ	Method	Analyst	Date Anal
Methyl-t-butyl ether	<0.21	ug/l	0.21	0.67	12	1		8260	cps	4/17/2000
Methylene chloride	<0.76	ug/l	0.76	2.4	0.5	1		8260	cps	4/17/2000
n-Butylbenzene	<0.23	ug/l	0.23	0.73	ns	1		8260	cps	4/17/2000
n-Propylbenzene	<0.25	ug/l	0.25	0.8	ns	1		8260	cps	4/17/2000
Naphthalene	<0.46	ug/l	0.46	1.5	8	1		8260	cps	4/17/2000
o-xylene	<0.18	ug/l	0.18	0.57	124	1		8260	cps	4/17/2000
p-Isopropyltoluene	<0.18	ug/l	0.18	0.57	ns	1		8260	cps	4/17/2000
sec-Butylbenzene	<0.3	ug/l	0.3	0.95	ns	1		8260	cps	4/17/2000
Styrene	<0.21	ug/l	0.21	0.67	10	1		8260	cps	4/17/2000
tert-Butylbenzene	<0.2	ug/l	0.2	0.64	ns	1		8260	cps	4/17/2000
Tetrachloroethene	<0.29	ug/l	0.29	0.92	0.5	1		8260	cps	4/17/2000
Toluene	<0.33	ug/l	0.33	1	68.6	1		8260	cps	4/17/2000
trans-1,2-Dichloroethene	<0.16	ug/l	0.16	0.51	20	1		8260	cps	4/17/2000
trans-1,3-Dichloropropene	<0.2	ug/l	0.2	0.64	0.02	1		8260	cps	4/17/2000
Trichloroethene	<0.16	ug/l	0.16	0.51	0.5	1		8260	cps	4/17/2000
Trichlorofluoromethane	<0.34	ug/l	0.34	1.1	ns	1		8260	cps	4/17/2000
Vinyl chloride	<0.21	ug/l	0.21	0.67	0.02	1		8260	cps	4/17/2000

Approved By: _____ **Date:** 4/28/00
James Chang, Ph.D. , Lab Director

MDL: Method Detection Limit determined by 40CFR Part 136 Appendix B *"e" = Estimate value, over calibration range .*
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
PAL: Preventive Action Limit, NR 140.10 Public health related groundwater standards. "ns" = not specified
RQ : Run Qualifier; "J" = Results between LOD and LOQ. "RR" = Re-extract Rerun sample, "B" = Showed in Blank sample.

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

APL INC.

INORGANIC REPORT

WDNR# 241340550

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

INVOICE NUMBER **20000256**
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 17-Apr-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: WEEKLY SAMPLE

Nova Sample Number: 19226
Client ID: **000417WA01P**
Collection: 4/17/2000 Time: 11:00
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	dmd	4/26/2000	993896	
Barium - ICAP	0.11	mg/l		RJ	0.007	0.02	200.7	dmd	4/18/2000	993845	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	4/25/2000	993889	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	4/18/2000	993845	
Copper- ICAP	0.03	mg/l		RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Iron - ICAP	1.2	mg/l		RJ	0.081	0.26	200.7	dmd	4/18/2000	993845	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	4/25/2000	993891	
Manganese - ICAP	0.13	mg/l		RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	4/26/2000	993899	
Nickel - ICAP	0.02	mg/l	J	RJ	0.011	0.03	200.7	dmd	4/18/2000	993845	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	4/19/2000	993843	
Silver - ICAP	<0.004	mg/l		RJ	0.004	0.01	200.7	dmd	4/18/2000	993845	
Thallium - Furnace AA	3.5	ug/l	J	RJ	1.7	5.4	279.2	dmd	4/18/2000	993842	
Zinc - ICAP	0.02	mg/l	J	RJ	0.014	0.04	200.7	dmd	4/18/2000	993845	
Chromium, Hexavalent	<0.0042	mg/l			0.004	0.01	SM 3500	128053	4/25/2000	993881	
Cyanide, Amenable	<0.006	mg/l			0.006	0.02	335.2	dmd	4/25/2000	993892	
Cyanide, Total	<0.006	mg/l			0.006	0.02	335.2	dmd	4/19/2000	993858	
pH (water)	7.4	s.u.	#				150.1	Jc	4/17/2000	993874	

Nova Sample Number: 19227
Client ID: **000417WA09R**
Collection: 4/17/2000 Time: 11:30
Sample Description:

Test	Result	Units		RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Arsenic - Furnace AA	<5.6	ug/l		RJ	5.6	18	206.2	dmd	4/26/2000	993896	
Barium - ICAP	0.01	mg/l	J	RJ	0.007	0.02	200.7	dmd	4/18/2000	993845	
Cadmium - Furnace AA	<0.7	ug/l		TTR	0.7	2.2	213.2	dmd	4/25/2000	993889	
Chromium, Total - ICAP	<0.008	mg/l		RJ	0.008	0.03	200.7	dmd	4/18/2000	993845	
Copper- ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Iron - ICAP	0.29	mg/l		RJ	0.081	0.26	200.7	dmd	4/18/2000	993845	
Lead - Furnace AA	<1.5	ug/l		RJ	1.5	4.8	239.2	dmd	4/25/2000	993891	
Manganese - ICAP	<0.006	mg/l		RJ	0.006	0.02	200.7	dmd	4/18/2000	993845	
Mercury CV	<0.0002	mg/l		RJ	0.0002	0.0006	245.1	dmd	4/26/2000	993899	
Nickel - ICAP	11	ug/l	J	RJ	11	35	200.7	dmd	4/18/2000	993845	
Selenium - Furnace AA	<4.8	ug/l		RJ	4.8	15	270.2	dmd	4/19/2000	993843	

APL INC.

INORGANIC REPORT

WDNR# 241340550

INVOICE NUMBER 20000256
DATE REPORTED: 28-Apr-00
DATE RECEIVED: 17-Apr-00
SAMPLE TEMP (C) Rec On Ice
PROJECT ID: OGTP
PROJECT NAME: WEEKLY SAMPLE

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

Test	Result	Units	RQ	LOD	LOQ	Method	Analyst	Date Anal	QC#	Comments
Silver - ICAP	**<0.004**	**mg/l**	**RJ**	0.004	0.01	200.7	dmd	4/18/2000	*993845*	
Thallium - Furnace AA	**<1.7**	**ug/l**	**RJ**	1.7	5.4	279.2	dmd	4/18/2000	*993842*	
Zinc - ICAP	**0.02**	**mg/l**	***J*** **RJ**	0.014	0.04	200.7	dmd	4/18/2000	*993845*	
Nova Sample Number: 19228										
Client ID: **000417WA03P**								Collection: 4/17/2000		Time: 11:10
								Sample Description:		
pH (water)	**11**	**s.u.**	**#**			150.1	Jc	4/17/2000	*993874*	
Nova Sample Number: 19229										
Client ID: **000417WA05P**								Collection: 4/17/2000		Time: 11:15
								Sample Description:		
pH (water)	**7.9**	**s.u.**	**#**			150.1	Jc	4/17/2000	*993874*	
Nova Sample Number: 19231										
Client ID: **000417WA09P**								Collection: 4/17/2000		Time: 11:25
								Sample Description:		
Chromium, Hexavalent	**<0.0042**	**mg/l**		0.004	0.01	SM 3500	128053	4/25/2000	*993881*	
Cyanide, Amenable	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/25/2000	*993892*	
Cyanide, Total	**<0.006**	**mg/l**		0.006	0.02	335.2	dmd	4/19/2000	*993858*	
pH (water)	**7.3**	**s.u.**	**#**			150.1	Jc	4/17/2000	*993874*	
Nova Sample Number: 19232										
Client ID: **000417WA02P**								Collection: 4/17/2000		Time: 11:05
								Sample Description:		
pH (water)	**9.9**	**s.u.**	**#**			150.1	Jc	4/17/2000	*993874*	

Approved By: _____ **Date:** 4/27/00
James Chang, Ph.D. , Lab Director

RJ *Result expressed as Total.*
TTR *Result expressed as total and total recoverable.*

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

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