

October 16, 1996  
(303663278)

241036840 02-41-000826

Mr. Al Mattacotti, President  
Milwaukee Plating Company  
1434 North 4th Street  
Milwaukee, WI 53212

RE: Ground-Water Sampling Results

Dear Mr. Mattacotti:

Enclosed you will find copies of laboratory analytical results and a table summarizing those results for ground-water samples collected on September 19, 1996 from monitor wells at your facility. Samples were collected from all monitor wells except MW-1, which contained free product, and MW-4 which was dry. (Note that MW-6 was never installed.)

For comparison, the analytical results for the samples collected in July 1995 from these same wells is also provided on Table 1. This comparison shows that the concentrations of total volatile organic compounds (VOCs) in MW-2, MW-3, MW-7, and MW-8 have all fallen drastically in the last year, with declines in these wells ranging from a 43% decline in MW-2 to an 86% decline in MW-7. No VOCs were detected in MW-5, and the only monitor well to exhibit an increase was MW-9. Total VOCs in this well increased from 122.9  $\mu\text{g}/\ell$  (micrograms per liter, or parts per billion) to 149.1  $\mu\text{g}/\ell$ . (MW-9 is the new well located near the loading dock.)

While the total VOC concentrations have decreased substantially, WDNR Enforcement Standards (ESs) were exceeded at each of the sampled monitor wells except MW-5. Compounds which exceeded these standards include benzene (MW-2, MW-3, MW-7, and MW-8), cis-1,2-dichloroethene (MW-3 and MW-9), and vinyl chloride (MW-3, MW-7, and MW-9). Concentrations of vinyl chloride, trichloroethene, and tetrachloroethene have declined to such an extent in MW-2, MW-3, and MW-7 that these compounds no longer exceed ESs in these wells.

If you have any questions regarding these results, feel free to contact me.

Sincerely,

HYDRO-SEARCH, INC.

*Gerald L. DeMers*  
Gerald L. DeMers, P.E.  
Senior Engineer

GLD:gf

enc.

cc: Jim Morrin

Table Analytical Summary for Ground-Water Chemistry / Milwaukee Plating Company

Chemical Compound	NR140 PAL	NR140 ES	Ground-Water Sample Identification											
			MW-2		MW-3		MW-5		MW-7		MW-8		MW-9	
			7/95	9/96	7/95	9/96	7/95	9/96	7/95	9/96	7/95	9/96	7/95	9/96
Volatile Organic Compounds														
Benzene	0.5	5	1,600	920	93	50			43	48	140	60	<u>1.5</u>	<u>1.4</u>
n-Butylbenzene	None	None	1.2						140	1.0				
sec-Butylbenzene	None	None	4.2						130	3.7	5.1	1.4		
tert-Butylbenzene	None	None							26					
Chloroethane	80	400								7.9				
cis-1,2-Dichloroethene	7	70			440	180			<u>7.6</u>	5.2			91	100
trans-1,2-Dichloroethene	20	100			14	14							7.7	6.7
Ethylbenzene	140	700	17						6.4		1.7			
Isopropylbenzene	None	None	12	8.3					55	2.2	14	2.3		
p-Isopropylbenzene	None	None	1.5						35					
Methylene Chloride	15	150												
Naphthalene	8	40							<u>10</u>					
n-Propylbenzene	None	None	6.3	6.0					60	1.4	8.2			
Tetrachloroethene	0.5	5							120	<u>1.8</u>			<u>2.5</u>	
Toluene	68.6	343	5.6	8.0							6.7			
Trichloroethene	0.5	5			7.3								<u>1.2</u>	
1,2,4-Trimethylbenzene	None	None	27						350	1.1	5.5			
1,3,5-Trimethylbenzene	None	None	1.6						240		1.7			
Vinyl Chloride	0.02	0.2	<u>1.5</u>		700	140			72	110			19	41
Xylenes, Total	124	620	18.3	17					44.6		32			
Total VOCs			1696.2	959.3	1254.3	384	0	0	1339.6	182.3	214.9	63.7	122.9	149.1

- Notes: ♦ All concentrations in parts per billion except gasoline range organics, diesel range organics, and oil and grease which are reported in parts per million.  
 ♦ Blank entries mean no detection above laboratory quantification limits.  
 ♦ Shaded values denote an NR140 Enforcement Standard exceedance.  
 ♦ Underlined values denote Preventive Action Limit exceedance.  
 ♦ Samples collected June 19 and 20, 1995 and on September 19, 1996. Monitor well MW-1 contained free product and MW-4 was dry.



NATIONAL ENVIRONMENTAL TESTING, INC.

OCT 3 1996  
RECEIVED  
HSI - BROOKFIELD

Watertown Division  
602 Commerce Drive  
P.O. Box 288  
Watertown, WI 53094  
Tel: (414) 261-1660  
Fax: (414) 261-8120

WDNR No. 128053530

ANALYTICAL AND QUALITY CONTROL REPORT

MASTER FILE COPY

PROJECT # 303663278

CC: GLD

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996

Job No: 96.09354

Page 1

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
209628	MW-5 #303663278.1005	09/19/1996	09/24/1996
209629	MW-7 #303663278.1005	09/19/1996	09/24/1996
209630	MW-9 #303663278.1005	09/19/1996	09/24/1996
209631	MW-2 #303663278.1005	09/19/1996	09/24/1996
209632	MW-3 #303663278.1005	09/19/1996	09/24/1996
209633	MW-8 #303663278.1005	09/19/1996	09/24/1996
209634	Trip Blk #303663278.1005	09/19/1996	09/24/1996

The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- |  |  |
|--|--|
| A = Analyzed/extracted past hold time  | B = Blank is contaminated              |
| C = Standard outside of control limits | D = Diluted for analysis               |
| F = Sample filtered in lab             | G = Received past hold time            |
| H = Late eluting hydrocarbons present  | I = Improperly handled sample          |
| J = Estimated concentration            | L = Common lab solvent and contaminant |
| M = Matrix interference                | P = Improperly preserved sample        |
| Q = Result confirmed via re-analysis   | S = Sediment present                   |
| T = Does not match typical pattern     | W = BOD re-set due to missed dilution  |
| X = Unidentified compound(s) present   | Z = Internal standard outside limits   |

Brian D. DeJong, Organic Operations Manager  
Certification No. 128053530



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ENVIRONMENTAL  
TESTING, INC.

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602 Commerce Drive  
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WDNR No. 128053530

## ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209628  
Account No: 39150  
Page 2

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-5 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 12:15

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260A						
Benzene	<0.50	ug/L	0.50	S-8260A	10/01/1996	165
Bromobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromochloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromodichloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromoform	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Bromomethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
n-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
sec-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
tert-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Carbon Tetrachloride	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorodibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloroethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
Chloroform	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
2-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
4-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dibromo-3-Chloropropane	<10	ug/L	10	S-8260A	10/01/1996	165
1,2-Dibromoethane (EDB)	<10	ug/L	10	S-8260A	10/01/1996	165
Dibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,4-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Dichlorodifluoromethane	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
1,1-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloroethene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
2,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Di-isopropyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165



ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209628  
Account No: 39150  
Page 3

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-5 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 12:15

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Ethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Hexachlorobutadiene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Isopropylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
p-Isopropyltoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Methylene Chloride	<10	ug/L	10	S-8260A	10/01/1996	165
Methyl-t-butyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Naphthalene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
n-Propylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Styrene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Tetrachloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Toluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichlorofluoromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
1,2,3-Trichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Vinyl Chloride	<0.50	ug/L	0.50	S-8260A	10/01/1996	165
Xylenes, Total	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
Surr: Dibromofluoromethane	107.6	%	n/a	S-8260A	10/01/1996	165
Surr: Toluene-d8	106.2	%	n/a	S-8260A	10/01/1996	165
Surr: Bromofluorobenzene	101.2	%	n/a	S-8260A	10/01/1996	165



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10/02/1996  
Job No: 96.09354  
Sample No: 209629  
Account No: 39150  
Page 4

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-7 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 14:30

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260A						
Benzene	48	ug/L	0.50	S-8260A	10/01/1996	165
Bromobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromochloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromodichloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromoform	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Bromomethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
n-Butylbenzene	1.0	ug/L	1.0	S-8260A	10/01/1996	165
sec-Butylbenzene	3.7	ug/L	1.0	S-8260A	10/01/1996	165
tert-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Carbon Tetrachloride	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorodibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloroethane	7.9	ug/L	4.0	S-8260A	10/01/1996	165
Chloroform	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
2-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
4-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dibromo-3-Chloropropane	<10	ug/L	10	S-8260A	10/01/1996	165
1,2-Dibromoethane (EDB)	<10	ug/L	10	S-8260A	10/01/1996	165
Dibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,4-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Dichlorodifluoromethane	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
1,1-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloroethene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
cis-1,2-Dichloroethene	5.2	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
2,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Di-isopropyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165



ANALYTICAL REPORT

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HYDRO-SEARCH, INC.  
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Suite 100  
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10/02/1996  
Job No: 96.09354  
Sample No: 209629  
Account No: 39150  
Page 5

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-7 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 14:30

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Ethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Hexachlorobutadiene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Isopropylbenzene	2.2	ug/L	1.0	S-8260A	10/01/1996	165
p-Isopropyltoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Methylene Chloride	<10	ug/L	10	S-8260A	10/01/1996	165
Methyl-t-butyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Naphthalene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
n-Propylbenzene	1.4	ug/L	1.0	S-8260A	10/01/1996	165
Styrene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Tetrachloroethene	1.8	ug/L	1.0	S-8260A	10/01/1996	165
Toluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichlorofluoromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
1,2,3-Trichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trimethylbenzene	1.1	ug/L	1.0	S-8260A	10/01/1996	165
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Vinyl Chloride	110	ug/L	0.50	S-8260A	10/01/1996	165
Xylenes, Total	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
Surr: Dibromofluoromethane	104.6	%	n/a	S-8260A	10/01/1996	165
Surr: Toluene-d8	100.4	%	n/a	S-8260A	10/01/1996	165
Surr: Bromofluorobenzene	99.6	%	n/a	S-8260A	10/01/1996	165



ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209630  
Account No: 39150  
Page 6

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-9 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 14:45

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Rur Batch
VOC - AQUEOUS - EPA 8260A						
Benzene	1.4	ug/L	0.50	S-8260A	10/01/1996	165
Bromobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromochloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromodichloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromoform	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Bromomethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
n-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
sec-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
tert-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Carbon Tetrachloride	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorodibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloroethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
Chloroform	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
2-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
4-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dibromo-3-Chloropropane	<10	ug/L	10	S-8260A	10/01/1996	165
1,2-Dibromoethane (EDB)	<10	ug/L	10	S-8260A	10/01/1996	165
Dibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,4-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Dichlorodifluoromethane	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
1,1-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloroethene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
cis-1,2-Dichloroethene	100	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,2-Dichloroethene	6.7	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
2,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Di-isopropyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165





ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209630  
Account No: 39150  
Page 7

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-9 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 14:45

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Ethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Hexachlorobutadiene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Isopropylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
p-Isopropyltoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Methylene Chloride	<10	ug/L	10	S-8260A	10/01/1996	165
Methyl-t-butyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Naphthalene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
n-Propylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Styrene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Tetrachloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Toluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichlorofluoromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
1,2,3-Trichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Vinyl Chloride	41	ug/L	0.50	S-8260A	10/01/1996	165
Xylenes, Total	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
Surr: Dibromofluoromethane	108.2	%	n/a	S-8260A	10/01/1996	165
Surr: Toluene-d8	103.8	%	n/a	S-8260A	10/01/1996	165
Surr: Bromofluorobenzene	99.6	%	n/a	S-8260A	10/01/1996	165



### ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209631  
Account No: 39150  
Page 8

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-2 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 15:45

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260A						
Benzene	920	ug/L	0.50	S-8260A	10/01/1996	165
Bromobenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromochloromethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromodichloromethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromoform	<10	ug/L	2.0	S-8260A	10/01/1996	165
Bromomethane	<20	ug/L	4.0	S-8260A	10/01/1996	165
n-Butylbenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
sec-Butylbenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
tert-Butylbenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Carbon Tetrachloride	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorobenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorodibromomethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloroethane	<20	ug/L	4.0	S-8260A	10/01/1996	165
Chloroform	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloromethane	<20	ug/L	4.0	S-8260A	10/01/1996	165
2-Chlorotoluene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
4-Chlorotoluene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dibromo-3-Chloropropane	<50	ug/L	10	S-8260A	10/01/1996	165
1,2-Dibromoethane (EDB)	<50	ug/L	10	S-8260A	10/01/1996	165
Dibromomethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichlorobenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichlorobenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,4-Dichlorobenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Dichlorodifluoromethane	<15	ug/L	3.0	S-8260A	10/01/1996	165
1,1-Dichloroethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloroethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloroethene	<10	ug/L	2.0	S-8260A	10/01/1996	165
cis-1,2-Dichloroethene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,2-Dichloroethene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloropropane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichloropropane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
2,2-Dichloropropane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloropropene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
cis-1,3-Dichloropropene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,3-Dichloropropene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Di-isopropyl ether	<5.0	ug/L	1.0	S-8260A	10/01/1996	165



ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209631  
Account No: 39150  
Page 9

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-2 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 15:45

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Ethylbenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Hexachlorobutadiene	<10	ug/L	2.0	S-8260A	10/01/1996	165
Isopropylbenzene	8.3	ug/L	1.0	S-8260A	10/01/1996	165
p-Isopropyltoluene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Methylene Chloride	<50	ug/L	10	S-8260A	10/01/1996	165
Methyl-t-butyl ether	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Naphthalene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
n-Propylbenzene	6.0	ug/L	1.0	S-8260A	10/01/1996	165
Styrene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1,2-Tetrachloroethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2,2-Tetrachloroethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Tetrachloroethene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Toluene	8.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,3-Trichlorobenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trichlorobenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1-Trichloroethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2-Trichloroethane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichloroethene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichlorofluoromethane	<20	ug/L	4.0	S-8260A	10/01/1996	165
1,2,3-Trichloropropane	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trimethylbenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3,5-Trimethylbenzene	<5.0	ug/L	1.0	S-8260A	10/01/1996	165
Vinyl Chloride	<2.5	ug/L	0.50	S-8260A	10/01/1996	165
Xylenes, Total	17	ug/L	3.0	S-8260A	10/01/1996	165
Surr: Dibromofluoromethane	109.0	%	n/a	S-8260A	10/01/1996	165
Surr: Toluene-d8	107.0	%	n/a	S-8260A	10/01/1996	165
Surr: Bromofluorobenzene	101.2	%	n/a	S-8260A	10/01/1996	165



**NATIONAL ENVIRONMENTAL TESTING, INC.**

Watertown Division  
602 Commerce Drive  
P.O. Box 288  
Watertown, WI 53094  
Tel: (414) 261-1660  
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WDNR No. 128053530

**ANALYTICAL REPORT**

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209632  
Account No: 39150  
Page 10

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-3 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 16:15

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260A						
Benzene	50	ug/L	0.50	S-8260A	10/01/1996	165
Bromobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromochloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromodichloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromoform	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Bromomethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
n-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
sec-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
tert-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Carbon Tetrachloride	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorodibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloroethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
Chloroform	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
2-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
4-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dibromo-3-Chloropropane	<10	ug/L	10	S-8260A	10/01/1996	165
1,2-Dibromoethane (EDB)	<10	ug/L	10	S-8260A	10/01/1996	165
Dibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,4-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Dichlorodifluoromethane	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
1,1-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloroethene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
cis-1,2-Dichloroethene	180	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,2-Dichloroethene	14	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
2,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Di-isopropyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165



**NATIONAL ENVIRONMENTAL TESTING, INC.**

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602 Commerce Drive  
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WDNR No. 128053530

**ANALYTICAL REPORT**

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209632  
Account No: 39150  
Page 11

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-3 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 16:15

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Ethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Hexachlorobutadiene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Isopropylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
p-Isopropyltoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Methylene Chloride	<10	ug/L	10	S-8260A	10/01/1996	165
Methyl-t-butyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Naphthalene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
n-Propylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Styrene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Tetrachloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Toluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichlorofluoromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
1,2,3-Trichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Vinyl Chloride	140	ug/L	0.50	S-8260A	10/01/1996	165
Xylenes, Total	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
Surr: Dibromofluoromethane	105.2	%	n/a	S-8260A	10/01/1996	165
Surr: Toluene-d8	104.8	%	n/a	S-8260A	10/01/1996	165
Surr: Bromofluorobenzene	99.6	%	n/a	S-8260A	10/01/1996	165



### ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
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Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209633  
Account No: 39150  
Page 12

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-8 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 17:00

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260A						
Benzene	60	ug/L	0.50	S-8260A	10/01/1996	165
Bromobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromochloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromodichloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromoform	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Bromomethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
n-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
sec-Butylbenzene	1.4	ug/L	1.0	S-8260A	10/01/1996	165
tert-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Carbon Tetrachloride	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorodibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloroethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
Chloroform	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
2-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
4-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dibromo-3-Chloropropane	<10	ug/L	10	S-8260A	10/01/1996	165
1,2-Dibromoethane (EDB)	<10	ug/L	10	S-8260A	10/01/1996	165
Dibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,4-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Dichlorodifluoromethane	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
1,1-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloroethene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
2,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Di-isopropyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165



### ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209633  
Account No: 39150  
Page 13

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: MW-8 #303663278.1005  
Recv'd 4.0 C

Date Taken: 09/19/1996 17:00

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Rur Batch
Ethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Hexachlorobutadiene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Isopropylbenzene	2.3	ug/L	1.0	S-8260A	10/01/1996	165
p-Isopropyltoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Methylene Chloride	<10	ug/L	10	S-8260A	10/01/1996	165
Methyl-t-butyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Naphthalene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
n-Propylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Styrene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Tetrachloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Toluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichlorofluoromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
1,2,3-Trichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Vinyl Chloride	<0.50	ug/L	0.50	S-8260A	10/01/1996	165
Xylenes, Total	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
Surr: Dibromofluoromethane	105.2	%	n/a	S-8260A	10/01/1996	165
Surr: Toluene-d8	104.8	%	n/a	S-8260A	10/01/1996	165
Surr: Bromofluorobenzene	99.0	%	n/a	S-8260A	10/01/1996	165



**NATIONAL ENVIRONMENTAL TESTING, INC.**

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WDNR No. 128053530

**ANALYTICAL REPORT**

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209634  
Account No: 39150  
Page 14

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: Trip Blk #303663278.1005

Date Taken: 09/19/1996

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260A						
Benzene	<0.50	ug/L	0.50	S-8260A	10/01/1996	165
Bromobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromochloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromodichloromethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Bromoform	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Bromomethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
n-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
sec-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
tert-Butylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Carbon Tetrachloride	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chlorodibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloroethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
Chloroform	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Chloromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
2-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
4-Chlorotoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dibromo-3-Chloropropane	<10	ug/L	10	S-8260A	10/01/1996	165
1,2-Dibromoethane (EDB)	<10	ug/L	10	S-8260A	10/01/1996	165
Dibromomethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,4-Dichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Dichlorodifluoromethane	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
1,1-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloroethene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
2,2-Dichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Di-isopropyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165





ANALYTICAL REPORT

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

10/02/1996  
Job No: 96.09354  
Sample No: 209634  
Account No: 39150  
Page 15

JOB DESCRIPTION: #303663278.1005 Milwaukee Plating  
PROJECT DESCRIPTION: Groundwater Analysis  
SAMPLE DESCRIPTION: Trip Blk #303663278.1005

Date Taken: 09/19/1996

Date Received: 09/24/1996

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Ethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Hexachlorobutadiene	<2.0	ug/L	2.0	S-8260A	10/01/1996	165
Isopropylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
p-Isopropyltoluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Methylene Chloride	<10	ug/L	10	S-8260A	10/01/1996	165
Methyl-t-butyl ether	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Naphthalene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
n-Propylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Styrene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Tetrachloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Toluene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,1-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,1,2-Trichloroethane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichloroethene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Trichlorofluoromethane	<4.0	ug/L	4.0	S-8260A	10/01/1996	165
1,2,3-Trichloropropane	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,2,4-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
1,3,5-Trimethylbenzene	<1.0	ug/L	1.0	S-8260A	10/01/1996	165
Vinyl Chloride	<0.50	ug/L	0.50	S-8260A	10/01/1996	165
Xylenes, Total	<3.0	ug/L	3.0	S-8260A	10/01/1996	165
Surr: Dibromofluoromethane	105.2	%	n/a	S-8260A	10/01/1996	165
Surr: Toluene-d8	104.8	%	n/a	S-8260A	10/01/1996	165
Surr: Bromofluorobenzene	99.0	%	n/a	S-8260A	10/01/1996	165



NATIONAL  
ENVIRONMENTAL  
TESTING, INC.

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## QUALITY CONTROL REPORT CONTINUING CALIBRATION VERIFICATION

10/02/1996

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

Job No: 96.09354  
Account No: 39150

Page 16

Job Description: #303663278.1005 Milwaukee Plating

Parameter	Method	Run Batch	True Value	Observed Value	Percent Recovery	Analyst
VOC - AQUEOUS - EPA 8260A	S-8260A					
Benzene	S-8260A	165	50.0	51.3	102.6	gsj
Bromoform	S-8260A	165	50.0	43.9	87.8	gsj
Chlorobenzene	S-8260A	165	50.0	49.9	99.8	gsj
Chloroform	S-8260A	165	50.0	51.4	102.8	gsj
Chloromethane	S-8260A	165	50.0	47.6	95.2	gsj
1,1-Dichloroethane	S-8260A	165	50.0	53.8	107.6	gsj
1,1-Dichloroethene	S-8260A	165	50.0	51.9	103.8	gsj
1,2-Dichloropropane	S-8260A	165	50.0	51.4	102.8	gsj
Di-isopropyl ether	S-8260A	165	40.0	53.9	134.8	gsj
Ethylbenzene	S-8260A	165	50.0	50.4	100.8	gsj
Methyl-t-butyl ether	S-8260A	165	50.0	55.0	110.0	gsj
1,1,2,2-Tetrachloroethane	S-8260A	165	50.0	49.1	98.2	gsj
Toluene	S-8260A	165	50.0	50.7	101.4	gsj
Trichloroethene	S-8260A	165	50.0	52.2	104.4	gsj
1,2,4-Trimethylbenzene	S-8260A	165	50.0	49.5	99.0	gsj
1,3,5-Trimethylbenzene	S-8260A	165	50.0	49.6	99.2	gsj
Vinyl Chloride	S-8260A	165	50.0	49.1	98.2	gsj
Xylenes, Total	S-8260A	165	150	152	101.3	gsj
Surr: Dibromofluoromethane	S-8260A	165	50.0	49.4	98.8	gsj
Surr: Toluene-d8	S-8260A	165	50.0	49.7	99.4	gsj
Surr: Bromofluorobenzene	S-8260A	165	50.0	47.2	94.4	gsj



NATIONAL  
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## QUALITY CONTROL REPORT

### BLANKS

10/02/1996

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

Job No: 96.09354  
Account No: 39150

Page 17

Job Description: #303663278.1005 Milwaukee Plating

Parameter	Prep Batch	Run Batch	Blank Result	Detection Limit	Units
VOC - AQUEOUS - EPA 8260A					
Benzene		165	<0.50	0.50	ug/L
Bromobenzene		165	<1.0	1.0	ug/L
Bromochloromethane		165	<1.0	1.0	ug/L
Bromodichloromethane		165	<1.0	1.0	ug/L
Bromoform		165	<2.0	2.0	ug/L
Bromomethane		165	<4.0	4.0	ug/L
n-Butylbenzene		165	<1.0	1.0	ug/L
sec-Butylbenzene		165	<1.0	1.0	ug/L
tert-Butylbenzene		165	<1.0	1.0	ug/L
Carbon Tetrachloride		165	<1.0	1.0	ug/L
Chlorobenzene		165	<1.0	1.0	ug/L
Chlorodibromomethane		165	<1.0	1.0	ug/L
Chloroethane		165	<4.0	4.0	ug/L
Chloroform		165	<1.0	1.0	ug/L
Chloromethane		165	<4.0	4.0	ug/L
2-Chlorotoluene		165	<1.0	1.0	ug/L
4-Chlorotoluene		165	<1.0	1.0	ug/L
1,2-Dibromo-3-Chloropropane		165	<10	10	ug/L
1,2-Dibromoethane (EDB)		165	<10	10	ug/L
Dibromomethane		165	<1.0	1.0	ug/L
1,2-Dichlorobenzene		165	<1.0	1.0	ug/L
1,3-Dichlorobenzene		165	<1.0	1.0	ug/L
1,4-Dichlorobenzene		165	<1.0	1.0	ug/L
Dichlorodifluoromethane		165	<3.0	3.0	ug/L
1,1-Dichloroethane		165	<1.0	1.0	ug/L
1,2-Dichloroethane		165	<1.0	1.0	ug/L
1,1-Dichloroethene		165	<2.0	2.0	ug/L
cis-1,2-Dichloroethene		165	<1.0	1.0	ug/L
trans-1,2-Dichloroethene		165	<1.0	1.0	ug/L
1,2-Dichloropropane		165	<1.0	1.0	ug/L
1,3-Dichloropropane		165	<1.0	1.0	ug/L
2,2-Dichloropropane		165	<1.0	1.0	ug/L
1,1-Dichloropropene		165	<1.0	1.0	ug/L
cis-1,3-Dichloropropene		165	<1.0	1.0	ug/L



QUALITY CONTROL REPORT  
BLANKS

10/02/1996

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

Job No: 96.09354  
Account No: 39150

Page 18

Job Description: #303663278.1005 Milwaukee Plating

Parameter	Prep Batch	Run Batch	Blank Result	Detection Limit	Units
trans-1,3-Dichloropropene		165	<1.0	1.0	ug/L
Di-isopropyl ether		165	<1.0	1.0	ug/L
Ethylbenzene		165	<1.0	1.0	ug/L
Hexachlorobutadiene		165	<2.0	2.0	ug/L
Isopropylbenzene		165	<1.0	1.0	ug/L
p-Isopropyltoluene		165	<1.0	1.0	ug/L
Methylene Chloride		165	<10	10	ug/L
Methyl-t-butyl ether		165	<1.0	1.0	ug/L
Naphthalene		165	<1.0	1.0	ug/L
n-Propylbenzene		165	<1.0	1.0	ug/L
Styrene		165	<1.0	1.0	ug/L
1,1,1,2-Tetrachloroethane		165	<1.0	1.0	ug/L
1,1,2,2-Tetrachloroethane		165	<1.0	1.0	ug/L
Tetrachloroethene		165	<1.0	1.0	ug/L
Toluene		165	<1.0	1.0	ug/L
1,2,3-Trichlorobenzene		165	<1.0	1.0	ug/L
1,2,4-Trichlorobenzene		165	<1.0	1.0	ug/L
1,1,1-Trichloroethane		165	<1.0	1.0	ug/L
1,1,2-Trichloroethane		165	<1.0	1.0	ug/L
Trichloroethene		165	<1.0	1.0	ug/L
Trichlorofluoromethane		165	<4.0	4.0	ug/L
1,2,3-Trichloropropane		165	<1.0	1.0	ug/L
1,2,4-Trimethylbenzene		165	<1.0	1.0	ug/L
1,3,5-Trimethylbenzene		165	<1.0	1.0	ug/L
Vinyl Chloride		165	<0.50	0.50	ug/L
Xylenes, Total		165	<3.0	3.0	ug/L
Surr: Dibromofluoromethane		165	99.2	n/a	%
Surr: Toluene-d8		165	101.4	n/a	%
Surr: Bromofluorobenzene		165	94.4	n/a	%



QUALITY CONTROL REPORT  
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

10/02/1996

Mr. Jerry De Mers  
HYDRO-SEARCH, INC.  
175 N. Corporate Drive  
Suite 100  
Brookfield, WI 53045

Job No: 96.09354  
Account No: 39150

Page 19

Job Description: #303663278.1005 Milwaukee Plating

Analyte	Prep	Run	Sample Result	Spike Amount	Units	Matrix	Percent Recovery	MSD Result	Relative	Percent Difference
	Batch Number	Batch Number				Spike Result			Percent Recovery	
VOC - AQUEOUS - EPA 8260A										
Benzene	165	165	<0.50	50.0	ug/L	55.8	111.6	57.3	114.6	2.7
Chlorobenzene	165	165	<1.0	50.0	ug/L	50.2	100.4	51.0	102.0	1.6
1,1-Dichloroethene	165	165	<2.0	50.0	ug/L	51.4	102.8	51.9	103.8	1.0
Di-isopropyl ether	165	165	<1.0	50.0	ug/L	54.1	108.2	55.2	110.4	2.0
Ethylbenzene	165	165	<1.0	50.0	ug/L	50.9	101.8	51.0	102.0	0.2
Methyl-t-butyl ether	165	165	<1.0	50.0	ug/L	54.7	109.4	56.1	112.2	2.5
Toluene	165	165	<1.0	50.0	ug/L	51.1	102.2	51.6	103.2	1.0
Trichloroethene	165	165	<1.0	50.0	ug/L	57.3	114.6	56.1	112.2	2.1
1,2,4-Trimethylbenzene	165	165	<1.0	50.0	ug/L	49.7	99.4	50.3	100.6	1.1
1,3,5-Trimethylbenzene	165	165	<1.0	50.0	ug/L	49.0	98.0	49.8	99.6	1.6
Xylenes, Total	165	165	<3.0	150	ug/L	152	101.3	155	103.3	2.0
Surr: Dibromofluoromethane	165	165	48.6	50.0	%	49.4	98.8	49.2	98.4	0.4
Surr: Toluene-d8	165	165	49.2	50.0	%	49.7	99.4	49.7	99.4	0.0
Surr: Bromofluorobenzene	165	165	45.3	50.0	%	47.2	94.4	46.0	92.0	2.6



NATIONAL ENVIRONMENTAL TESTING, INC.

# CHAIN OF CUSTODY RECORD

COMPANY HYDRO-SEARCH INC  
 ADDRESS 175 N. CORPORATE #100 BROOKFIELD, WI 53045  
 PHONE (414) 792-1282 FAX (414) 792-1310  
 PROJECT NAME/LOCATION MILWAUKEE PLATING / MILWAUKEE, WI  
 PROJECT NUMBER 303663278.1005  
 PROJECT MANAGER SCOTT DEMERS

9u09354

REPORT TO: HSI  
 INVOICE TO: MILWAUKEE PLATING (SEND HSI A COPY)  
 P.O. NO. \_\_\_\_\_  
 NET QUOTE NO. \_\_\_\_\_

SAMPLED BY  
RICARDO GARZA  
 (PRINT NAME)  
 \_\_\_\_\_  
 (PRINT NAME)

David P. G...  
 SIGNATURE  
 \_\_\_\_\_  
 SIGNATURE

## ANALYSES

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes \_\_\_ No \_\_\_

Is this work being conducted for regulatory enforcement action? Yes \_\_\_ No \_\_\_

Which regulations apply: RCRA \_\_\_ NPDES Wastewater \_\_\_  
 UST \_\_\_ Drinking Water \_\_\_  
 Other \_\_\_ None \_\_\_

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	# and Type of Containers					OTHER	
						HCl	NaOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>			
1996												VOCs
9-19	12:15	MW-5	GW	X		3						X
9-19	14:30	MW-7		X		3						X
9-19	14:45	MW-9		X		3						X
<del>9-19</del>	<del>14:45</del>	<del>MW-10</del>	<del></del>	<del>X</del>	<del></del>	<del>3</del>	<del></del>	<del></del>	<del></del>	<del></del>	<del></del>	<del>X</del>
9-19	15:45	MW-2		X		3						X
9-19	16:15	MW-3		X		3						X
9-19	17:00	MW-8		X		3						X
		TRIP BLANK		X		1						X

COMMENTS

CONDITION OF SAMPLE: BOTTLES INTACT?  YES / NO  
 FIELD FILTERED? YES / NO

COC SEALS PRESENT AND INTACT? YES / NO  
 VOLATILES FREE OF HEADSPACE?  YES / NO

TEMPERATURE UPON RECEIPT: 4°C  
 Bottles supplied by NET?  YES / NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA \_\_\_\_\_  
 I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS \_\_\_\_\_ DATE \_\_\_\_\_

RELINQUISHED BY: David P. G... DATE: 9-20-96 TIME: 8:00A

RECEIVED BY: Jerry Schmitz DATE: 9-24-96 TIME: 11:30

RELINQUISHED BY: Jerry Schmitz DATE: 9-24-96 TIME: 16:45

RECEIVED FOR NET BY: Cheryl DATE: 9/25/96

METHOD OF SHIPMENT: \_\_\_\_\_

REMARKS: NEED HARD COPY OF DIGITIZED RESULTS