

October 26, 1992

10712E5

Ms. Kristine Buettner  
P. O. Box 551  
Florence, WI 54121

Subject: **Ground Water Sampling Results**  
**Redi Quick Cleaners**  
9510 West Greenfield Avenue  
West Allis, Wisconsin

Dear Ms. Buettner:

The attached analytic test results are for ground water samples collected by Miller Engineers & Scientists on August 17, 1992. This work was completed as directed by the Wisconsin Department of Natural Resources (WDNR), under the authorization of our agreement dated March 18, 1992, and is part of the ongoing monitoring at the subject site.

Samples were obtained from the three ground water monitoring wells and from the two recovery sumps (refer to the attached *Boring/Monitoring Well Location Plan*). The ground water samples were analyzed for Gasoline Range Organics (GRO), Diesel Range Organics (DRO), Volatile Organic Compounds (VOC) by EPA Method 8021, and Total (filtered) Lead. A duplicate sample from MW2 and field and trip blanks were also analyzed.

Analytic test results showed slight to moderate concentrations of VOC in all samples except MW8. Well MW2 had slight 1,1-dichloroethane; while well MW4 had n-butylbenzene, cis-1,2-dichloroethane, 1,3-dichloropropane, tetrachloroethane, and trichloroethane. The tetrachloroethane concentration in MW4 exceeds NR 140 Ground Water Quality Enforcement Standards. Benzene and 1,1-dichloroethane were found in the west recovery sump; benzene, 1,1-dichloroethane, 1,3-dichloropropane, tetrachloroethane, and trichloroethane were found in the east recovery sump. The tetrachloroethane and trichloroethane concentrations in the east sump exceed NR 140 Ground Water Quality Enforcement Standards. Neither GRO nor DRO were detected in the samples tested. (The DRO sample from the east sump was not analyzed due to container breakage.) Total filtered lead was found in all samples, with the concentration found in MW2 exceeding NR 140 Ground Water Quality Enforcement Standards.

*Analytic Test Reports* from U. S. Oil Analytical Laboratory (Combined Locks) are attached. Tables summarizing test results for the first sampling round are also attached.

Ms. Kristine Buettner  
October 26, 1992  
Page 2

Ground water depths were measured and elevations are shown on the enclosed table. The water level in MW4 was much higher than the other wells, and the reason for this is not clear.

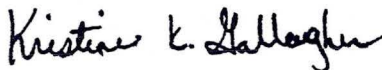
The next sampling round has been scheduled for November 1992. Because some VOC were present in the ground water samples from the excavation sumps and nearby monitoring wells, a small water recovery, treatment, and discharge system may be necessary.

Options for active ground water recovery and treatment versus long range monitoring should be evaluated following one or two additional sampling rounds and subsequent review by the WDNR.

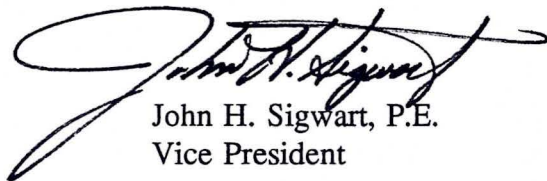
If you have any questions concerning these test results or future work scopes, your call or letter will receive our prompt response.

Sincerely,

MILLER ENGINEERS & SCIENTISTS



Kristine K. Gallagher  
Environmental Scientist



John H. Sigwart, P.E.  
Vice President

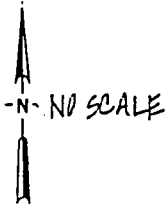
KKG/bjj

Enclosures: USGS Map of Project Area (White Sheet)  
Boring/Monitoring Well Location Plan (White Sheet)  
Ground Water Levels (White Sheets)  
Water Sampling Procedure Data Sheets (Green Sheets)  
Summary of Ground Water Test Results (White Sheets)  
Analytic Test Reports (Blue Sheets)  
Chain of Custody Records (Pink Sheets)

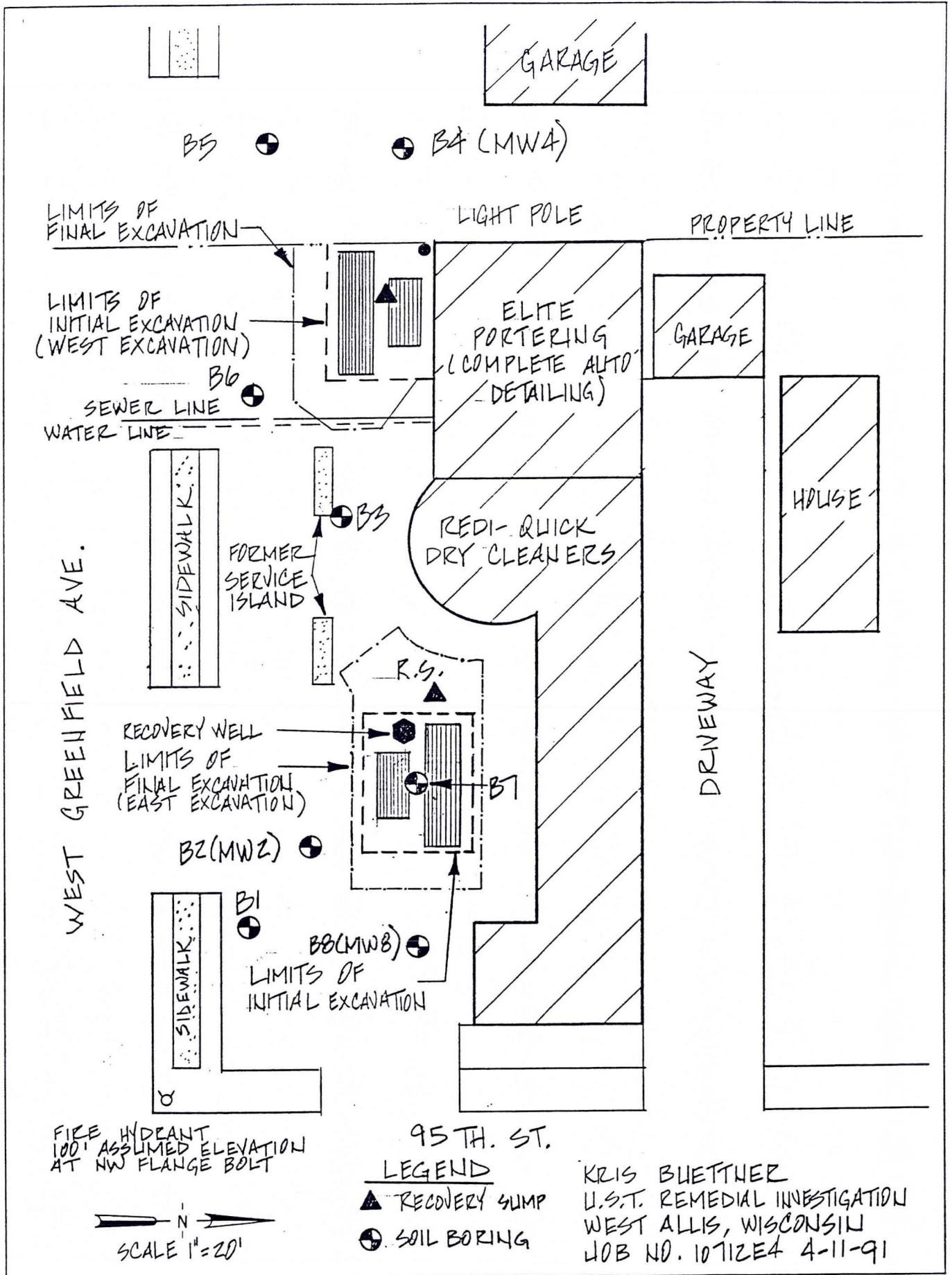
cc: Mr. Chip Krohn—WDNR Southeast District

BUE712E5.LRT (4115)

# WEST ALLIS, WISCONSIN



KRIS BUETNER  
U. S. T. REMEDIAL INVESTIGATION  
WEST ALLIS, WISCONSIN  
JOB NO. 10712E 7-25-90



**Client:** Kris Buettner  
**Project:** Redi-Quik Cleaners -- West Allis  
**Job No:** 10712E5

**Ground Water Levels (feet)**

**August 17, 1992**

	<u>TPVC*</u>	<u>Ground Water Depth</u>	<u>Water Elevation*</u>
MW2	101.56	14.10	87.46
MW4	103.56	5.15	98.41
MW8	102.02	14.49	87.53

\* Elevations referenced to NW flange blot on hydrant located on the property boundary with 95th Street assigned a local datum of 100.00 ft.

N:\10712E\H2OELEV.WQ1

## Water Sampling Procedure Data

Project: **Redi Quick Cleaners--West Allis** Sampled By: **TC**

Job No.: **10712E5** Sampling Point: **Field Blank** Date: **8-17-92**

1. Water Level Before Purging: **N/A**
2. Procedure Used to Purge Wells Prior to Sampling:
  - A. Approximate Number of Water Volumes Removed: **N/A**
  - B. Device Used to Remove Water: **5' PVC bailer**
  - C. Starting Date and Time Well was Purged: **N/A**
  - D. Ending Date and Time Well was Purged: **N/A**
  - E. Starting Date and Time Well was Sampled: **8-17-92**
  - F. Ending Date and Time Well was Sampled: **8-17-92**
  - G. Time Elapsed Between Purging and Sampling: **0 minutes**
3. Procedure for Cleaning Sampler: **Liquinox followed by triple rinse of distilled water.**
4. Device Used to Retrieve Sample: **5' PVC bailer**
5. Order Well was Sampled: **1st**
6. Water Level Before Sampling: **N/A**
7. Field Parameters:
  - A. Field Conductivity: **10 µmhos/cm**
  - B. Conductivity Meter Used: **Presto-Tek**
  - C. Field pH: **6.95 S.U.**
  - D. pH Method Used: **Presto-Tek**
  - E. Water Color: **Clear**
  - F. Water Odor: **None**
  - G. Water Turbidity: **None**
  - H. Temperature: **70° F**
8. Sample Transportation:
  - A. Method of Sample Storage: **In cooler with ice packs**
  - B. Date and Time of Laboratory Custody of Sample: **8-19-92**
  - C. Total Transportation Time: **2 days**
  - D. Date of Completed Laboratory Analysis: **refer to Analytic Test Reports**
9. Volume of Samples Collected: **6 VOA vials (1:1 HCl)**  
**1-1 l amber (1:1 HCl)**  
**1-250 ml plastic (H<sub>2</sub>NO<sub>3</sub>)**

## Water Sampling Procedure Data

Project: **Redi Quick Cleaners–West Allis** Sampled By: **TC**

Job No.: **10712E5** Sampling Point: **MW8** Date: **8-17-92**

1. Water Level Before Purging: **14.49 ft. below top of PVC well pipe**

2. Procedure Used to Purge Wells Prior to Sampling:

- A. Approximate Number of Water Volumes Removed: **2 gallons**
- B. Device Used to Remove Water: **5' PVC bailer**
- C. Starting Date and Time Well was Purged: **8-17-92, 12:23 p.m.**
- D. Ending Date and Time Well was Purged: **8-17-92, 1:50 p.m.**
- E. Starting Date and Time Well was Sampled: **8-17-92, 2:28 p.m.**
- F. Ending Date and Time Well was Sampled: **8-17-92, 2:39 p.m.**
- G. Time Elapsed Between Purging and Sampling: **38 minutes**

3. Procedure for Cleaning Sampler: **Liquinox followed by triple rinse of distilled water.**

4. Device Used to Retrieve Sample: **5' PVC bailer**

5. Order Well was Sampled: **2nd**

6. Water Level Before Sampling: **N/R**

7. Field Parameters:

- A. Field Conductivity: **1,320  $\mu$ mhos/cm**
- B. Conductivity Meter Used: **Presto-Tek**
- C. Field pH: **6.74 S.U.**
- D. pH Method Used: **Presto-Tek**
- E. Water Color: **Gray Brown**
- F. Water Odor: **Slight**
- G. Water Turbidity: **Medium**
- H. Temperature: **61° F**

8. Sample Transportation:

- A. Method of Sample Storage: **In cooler with ice packs**
- B. Date and Time of Laboratory Custody of Sample: **8-19-92**
- C. Total Transportation Time: **2 days**
- D. Date of Completed Laboratory Analysis: **refer to *Analytic Test Reports***

9. Volume of Samples Collected: **6 VOA vials (1:1 HCl)**  
**1–l amber (1:1 HCl)**  
**1–250 ml plastic ( $H_2NO_3$ )**

## Water Sampling Procedure Data

Project: **Redi Quick Cleaners–West Allis** Sampled By: **TC**

Job No.: **10712E5** Sampling Point: **MW2 and Duplicate** Date: **8-17-92**

1. Water Level Before Purging: **14.10 ft. below top of PVC well pipe**
2. Procedure Used to Purge Wells Prior to Sampling:
  - A. Approximate Number of Water Volumes Removed: **2 gallons**
  - B. Device Used to Remove Water: **5' PVC bailer**
  - C. Starting Date and Time Well was Purged: **8-17-92, 12:36 p.m.**
  - D. Ending Date and Time Well was Purged: **8-17-92, 2:03 p.m.**
  - E. Starting Date and Time Well was Sampled: **8-17-92, 2:43 p.m.**
  - F. Ending Date and Time Well was Sampled: **8-17-92, 3:04 p.m.**
  - G. Time Elapsed Between Purging and Sampling: **40 minutes**
3. Procedure for Cleaning Sampler: **Liquinox followed by triple rinse of distilled water.**
4. Device Used to Retrieve Sample: **5' PVC bailer**
5. Order Well was Sampled: **3rd**
6. Water Level Before Sampling: **N/R**
7. Field Parameters:
  - A. Field Conductivity: **2,190 µmhos/cm**
  - B. Conductivity Meter Used: **Presto-Tek**
  - C. Field pH: **6.87 S.U.**
  - D. pH Method Used: **Presto-Tek**
  - E. Water Color: **Brown**
  - F. Water Odor: **Slight**
  - G. Water Turbidity: **Medium**
  - H. Temperature: **62° F**
8. Sample Transportation:
  - A. Method of Sample Storage: **In cooler with ice packs**
  - B. Date and Time of Laboratory Custody of Sample: **8-19-92**
  - C. Total Transportation Time: **2 days**
  - D. Date of Completed Laboratory Analysis: **refer to Analytic Test Reports**
9. Volume of Samples Collected: **9 VOA vials (1:1 HCl)**  
**1–1 ℓ amber (1:1 HCl)**  
**2–250 ml plastic (H<sub>2</sub>NO<sub>3</sub>)**



## Water Sampling Procedure Data

Project: **Redi Quick Cleaners–West Allis** Sampled By: **TC**

Job No.: **10712E5** Sampling Point: **MW4** Date: **8-17-92**

1. Water Level Before Purging: **5.15 ft. below top of PVC well pipe**

2. Procedure Used to Purge Wells Prior to Sampling:

- A. Approximate Number of Water Volumes Removed: **2 gallons**
- B. Device Used to Remove Water: **5' PVC bailer**
- C. Starting Date and Time Well was Purged: **8-17-92, 12:49 p.m.**
- D. Ending Date and Time Well was Purged: **8-17-92, 2:15 p.m.**
- E. Starting Date and Time Well was Sampled: **8-17-92, 3:13 p.m.**
- F. Ending Date and Time Well was Sampled: **8-17-92, 3:33 p.m.**
- G. Time Elapsed Between Purging and Sampling: **58 minutes**

3. Procedure for Cleaning Sampler: **Liquinox followed by triple rinse of distilled water.**

4. Device Used to Retrieve Sample: **5' PVC bailer**

5. Order Well was Sampled: **4th**

6. Water Level Before Sampling: **N/R**

7. Field Parameters:

- A. Field Conductivity: **740  $\mu$ mhos/cm**
- B. Conductivity Meter Used: **Presto-Tek**
- C. Field pH: **6.80 S.U.**
- D. pH Method Used: **Presto-Tek**
- E. Water Color: **Silty Brown**
- F. Water Odor: **None**
- G. Water Turbidity: **Medium**
- H. Temperature: **61° F**

8. Sample Transportation:

- A. Method of Sample Storage: **In cooler with ice packs**
- B. Date and Time of Laboratory Custody of Sample: **8-19-92**
- C. Total Transportation Time: **2 days**
- D. Date of Completed Laboratory Analysis: **refer to *Analytic Test Reports***

9. Volume of Samples Collected: **6 VOA vials (1:1 HCl)**  
**1–1 l amber (1:1 HCl)**  
**1–250 ml plastic (H<sub>2</sub>NO<sub>3</sub>)**

**AUG 27 1992**
**Analytical Laboratory**

 425 S. Washington St. Combined Locks, WI 54113  
 Phone 414-735-8298

WI DNR Certified Lab #445027660

 REPORT TO: THERESA CHRISTIANSON  
 517-322 MW2 1 1577104 02760  
 MILLER ENGINEERS/SCIENTISTS  
 SUITE 1  
 1119 KENNEDY AVE  
 KIMBERLY WI 54136

 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW2  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
DATE SAMPLE RECEIVED	8/19/92
PROJECT NUMBER	10712ES
SAMPLE TYPE	WATER
ODOR WM	NONE
LEAD	80
SAMPLE PH	1.9
DATE DIGESTED	8/20/92
DATE ANALYZED	8/24/92
MDL UG/L SW846 7421	2
MODIFIED DRO WDNR APR 92	
SAMPLE PH	2.0
DATE EXTRACTED	8/20/92
DATE ANALYZED	8/21/92
DIESEL (DRO) UG/L	ND
MDL UG/L	100
MODIFIED GRO WDNR APR 92	
SAMPLE PH	1.3
DATE ANALYZED	8/20/92
GASOLINE (GRO) UG/L	ND
MDL UG/L	100
VOC'S SW846 8021	
SAMPLE PH	1.1
ANALYZED BY	KIM JACOB
DATE ANALYZED	8/19/92
BENZENE	ND
MDL UG/L SW846 8021	.6
BROMOBENZENE	ND
MDL UG/L SW846 8021	1
BROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMODICHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMOFORM	ND
MDL UG/L SW846 8021	1
BROMOMETHANE	ND
MDL UG/L SW846 8021	1
N-BUTYLBENZENE	ND
MDL UG/L SW846 8021	2

## Water Sampling Procedure Data

Project: **Redi Quick Cleaners–West Allis** Sampled By: **TC**

Job No.: **10712E5** Sampling Point: **RW–West** Date: **8-17-92**

1. Water Level Before Purging: **3.56 ft. below top of PVC well pipe**
2. Procedure Used to Purge Wells Prior to Sampling:
  - A. Approximate Number of Water Volumes Removed: **50 gallons**
  - B. Device Used to Remove Water: **5' PVC bailer**
  - C. Starting Date and Time Well was Purged: **8-17-92, 12:00 p.m.**
  - D. Ending Date and Time Well was Purged: **8-17-92, 3:46 p.m.**
  - E. Starting Date and Time Well was Sampled: **8-17-92, 3:48 p.m.**
  - F. Ending Date and Time Well was Sampled: **8-17-92, 4:00 p.m.**
  - G. Time Elapsed Between Purging and Sampling: **2 minutes**
3. Procedure for Cleaning Sampler: **Liquinox followed by triple rinse of distilled water.**
4. Device Used to Retrieve Sample: **5' PVC bailer**
5. Order Well was Sampled: **5th**
6. Water Level Before Sampling: **N/R**
7. Field Parameters:
  - A. Field Conductivity: **3,690  $\mu$ mhos/cm**
  - B. Conductivity Meter Used: **Presto-Tek**
  - C. Field pH: **6.72 S.U.**
  - D. pH Method Used: **Presto-Tek**
  - E. Water Color: **Clear**
  - F. Water Odor: **Medium to strong petroleum**
  - G. Water Turbidity: **Clear**
  - H. Temperature: **61° F**
8. Sample Transportation:
  - A. Method of Sample Storage: **In cooler with ice packs**
  - B. Date and Time of Laboratory Custody of Sample: **8-19-92**
  - C. Total Transportation Time: **2 days**
  - D. Date of Completed Laboratory Analysis: **refer to Analytic Test Reports**
9. Volume of Samples Collected: **6 VOA vials (1:1 HCl)**  
**1–1  $\ell$  amber (1:1 HCl)**  
**1–250 ml plastic ( $H_2NO_3$ )**

## Water Sampling Procedure Data

Project: **Redi Quick Cleaners–West Allis** Sampled By: **RMB**

Job No.: **10712E5** Sampling Point: **RW–East** Date: **9-2-92**

1. Water Level Before Purging: **N/R**
2. Procedure Used to Purge Wells Prior to Sampling:
  - A. Approximate Number of Water Volumes Removed: **N/A**
  - B. Device Used to Remove Water: **3' disposable bailer**
  - C. Starting Date and Time Well was Purged: **N/A, N/A**
  - D. Ending Date and Time Well was Purged: **N/A, N/A**
  - E. Starting Date and Time Well was Sampled: **9-2-92, 3:30 p.m.**
  - F. Ending Date and Time Well was Sampled: **9-2-92, 3:37 p.m.**
  - G. Time Elapsed Between Purging and Sampling: **N/A**
3. Procedure for Cleaning Sampler: **Disposable bailer**
4. Device Used to Retrieve Sample: **3' disposable bailer**
5. Order Well was Sampled: **1st**
6. Water Level Before Sampling: **N/R**
7. Field Parameters: **\*Before filtering**
  - A. Field Conductivity: **N/R**
  - B. Conductivity Meter Used: **—**
  - C. Field pH: **N/R**
  - D. pH Method Used: **—**
  - E. Water Color: **Clear\***
  - F. Water Odor: **Slight sulfur\***
  - G. Water Turbidity: **None\***
  - H. Temperature: **65° F\***
8. Sample Transportation:
  - A. Method of Sample Storage: **In cooler with ice packs**
  - B. Date and Time of Laboratory Custody of Sample: **9-4-92; 12:00 p.m.**
  - C. Total Transportation Time: **2 days**
  - D. Date of Completed Laboratory Analysis: **refer to *Analytic Test Reports***
9. Volume of Samples Collected: **6–45 ml VOA vials with 1:1 HCl preserve  
1–250 ml plastic with H<sub>2</sub>NO<sub>3</sub> preserve**

**\* No DRO taken.**

**Sample liter broke.**

**Client:** Kris Buettner  
**Project:** Redi-Quik Cleaners -- West Allis  
**Job No:** 10712E5

**Summary of Ground Water Test Results (ug/l)**

**Well MW2**

<u>Chemical</u>	<u>8/92</u>	<u>11/92</u>	<u>2/93</u>	<u>5/93</u>	<u>NR 140 Enforcement Standards</u>
Total Filtered Lead	*80				50
Modified DRO	ND				--
Modified GRO	ND				--
Benzene	ND				5
n-Butylbenzene	ND				--
1,1 Dichloroethane	15.1				850
cis-1,2 Dichloroethene	ND				100
1,3 Dichloropropane	ND				--
Ethylbenzene	ND				1,360
MTBE	ND				60
Naphthalene	ND				40
Tetrachloroethene	ND				1
Trichloroethene	ND				5
Toluene	ND				343
m,p-Xylene	ND				620
o-Xylene	ND				620
TOTAL VOCs	15.1				--

\* Concentration exceeds NR 140 Ground Water Quality Enforcement Standards.

**Client:** Kris Buettner  
**Project:** Redi-Quik Cleaners -- West Allis  
**Job No:** 10712E5

**Summary of Ground Water Test Results (ug/l)**

**Well MW4**

<u>Chemical</u>	<u>8/92</u>	<u>11/92</u>	<u>2/93</u>	<u>5/93</u>	NR 140 Enforcement Standards
Total Filtered Lead	4				50
Modified DRO	ND				--
Modified GRO	ND				--
Benzene	ND				5
n-Butylbenzene	3.03				--
1,1 Dichloroethane	ND				850
cis-1,2 Dichloroethene	12.2				100
1,3 Dichloropropane	4.03				--
Ethylbenzene	ND				1,360
MTBE	ND				60
Naphthalene	ND				40
Tetrachloroethene	*6.59				1
Trichloroethene	2.79				5
Toluene	ND				343
m,p-Xylene	ND				620
o-Xylene	ND				620
TOTAL VOCs	28.64				--

\* Concentration exceeds NR 140 Ground Water Quality Enforcement Standards.

**Client:** Kris Buettner  
**Project:** Redi-Quik Cleaners -- West Allis  
**Job No:** 10712E5

**Summary of Ground Water Test Results (ug/l)**

**Well MW8**

<u>Chemical</u>	<u>8/92</u>	<u>11/92</u>	<u>2/93</u>	<u>5/93</u>	NR 140 Enforcement <u>Standards</u>
Total Filtered Lead	14				50
Modified DRO	ND				--
Modified GRO	ND				--
Benzene	ND				5
n-Butylbenzene	ND				--
1,1 Dichloroethane	ND				850
cis-1,2 Dichloroethene	ND				100
1,3 Dichloropropane	ND				--
Ethylbenzene	ND				1,360
MTBE	ND				60
Naphthalene	ND				40
Tetrachloroethene	ND				1
Trichloroethene	ND				5
Toluene	ND				343
m,p-Xylene	ND				620
o-Xylene	ND				620
TOTAL VOCs	ND				--

\* Concentration exceeds NR 140 Ground Water Quality Enforcement Standards.

**Client:** Kris Buettner  
**Project:** Redi-Quik Cleaners -- West Allis  
**Job No:** 10712E5

**Summary of Ground Water Test Results (ug/l)**

**Recovery Sump -- West**

<u>Chemical</u>	<u>8/92</u>	<u>11/92</u>	<u>2/93</u>	<u>5/93</u>	NR 140 Enforcement Standards
Total Filtered Lead	8				50
Modified DRO	ND				--
Modified GRO	ND				--
Benzene	3.48				5
n-Butylbenzene	ND				--
1,1 Dichloroethane	ND				850
cis-1,2 Dichloroethene	3.95				100
1,3 Dichloropropane	ND				--
Ethylbenzene	ND				1,360
MTBE	ND				60
Naphthalene	ND				40
Tetrachloroethene	ND				1
Trichloroethene	ND				5
Toluene	ND				343
m,p-Xylene	ND				620
o-Xylene	ND				620
TOTAL VOCs	7.43				--

\* Concentration exceeds NR 140 Ground Water Quality Enforcement Standards.



**Client:** Kris Buettner  
**Project:** Redi-Quik Cleaners -- West Allis  
**Job No:** 10712E5

**Summary of Ground Water Test Results (ug/l)**

**Recovery Sump -- East**

<u>Chemical</u>	<u>8/92</u>	<u>11/92</u>	<u>2/93</u>	<u>5/93</u>	NR 140 Enforcement Standards
Total Filtered Lead	9				50
Modified DRO	--				--
Modified GRO	ND				--
Benzene	2.3				5
n-Butylbenzene	ND				--
1,1 Dichloroethane	1.7				850
cis-1,2 Dichloroethene	ND				100
1,3 Dichloropropane	23				--
Ethylbenzene	ND				1,360
MTBE	ND				60
Naphthalene	ND				40
Tetrachloroethene	*50				1
Trichloroethene	*13				5
Toluene	ND				343
m,p-Xylene	ND				620
o-Xylene	ND				620
TOTAL VOCs	90				--

\* Concentration exceeds NR 140 Ground Water Quality Enforcement Standards.

N:\10712E\GWRESULT.WQ1



**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113  
Phone 414-735-8298

WI DNR Certified Lab #445027660

REPORT TO: THERESA CHRISTIANSON  
517-322 MW2 1 1577104 02760  
MILLER ENGINEERS/SCIENTISTS  
SUITE 1  
1119 KENNEDY AVE  
KIMBERLY WI 54136

REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID MW2  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
CIS-1,2 DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2
MTBE	ND
MDL UG/L SW846 8021	1
NAPHTHALENE	ND
MDL UG/L SW846 8021	2
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1
STYRENE	ND
MDL UG/L SW846 8021	1
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1



**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113  
Phone 414-735-8298

WI DNR Certified Lab #445027660

REPORT TO: THERESA CHRISTIANSON  
517-322 MW2 1 1577104 02760  
MILLER ENGINEERS/SCIENTISTS  
SUITE 1  
1119 KENNEDY AVE  
KIMBERLY WI 54136

REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID MW2  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
TETRACHLOROETHENE	ND
MDL UG/L SW846 8021	1
TOLUENE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
TRICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRICHLOROFLUOROMETHANE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1
FLUOROBENZENE REC%	122
1,4-DICHLOROBUTANE REC%	138

ND = NOT DETECTED

AUTHORIZED SIGNATURE





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 KIMBERLY WI 54136

REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW4  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
DATE SAMPLE RECEIVED	8/19/92
PROJECT NUMBER	10712ES
SAMPLE TYPE	WATER
ODOR WM	NONE
LEAD	4
SAMPLE PH	1.6
DATE DIGESTED	8/20/92
DATE ANALYZED	8/24/92
MDL UG/L SW846 7421	1
MODIFIED DRO WDNR APR 92	
SAMPLE PH	1.9
DATE EXTRACTED	8/20/92
DATE ANALYZED	8/21/92
DIESEL (DRO) UG/L	ND
MDL UG/L	100
MODIFIED GRO WDNR APR 92	
SAMPLE PH	1.3
DATE ANALYZED	8/20/92
GASOLINE (GRO) UG/L	ND
MDL UG/L	100
VOC'S SW846 8021	
SAMPLE PH	7.6
ANALYZED BY	KIM JACOB
DATE ANALYZED	8/19/92
BENZENE	ND
MDL UG/L SW846 8021	.6
BROMOBENZENE	ND
MDL UG/L SW846 8021	1
BROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMODICHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMOFORM	ND
MDL UG/L SW846 8021	1
BROMOMETHANE	ND
MDL UG/L SW846 8021	1
N-BUTYLBENZENE	3.03
MDL UG/L SW846 8021	2



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KIMBERLY WI 54136

REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID MW4  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
SEC-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
TERT-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
CARBON TETRACHLORIDE	ND
MDL UG/L SW846 8021	1
CHLOROBENZENE	ND
MDL UG/L SW846 8021	1
CHLOROETHANE	ND
MDL UG/L SW846 8021	1
CHLOROFORM	ND
MDL UG/L SW846 8021	1
CHLOROMETHANE	ND
MDL UG/L SW846 8021	1
2-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4
1,1-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1

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 1119 KENNEDY AVE  
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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW4  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
CIS-1,2 DICHLOROETHENE	12.2
MDL UG/L SW846 8021	1
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROPROPANE	4.03
MDL UG/L SW846 8021	1
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2
MTBE	ND
MDL UG/L SW846 8021	1
NAPHTHALENE	ND
MDL UG/L SW846 8021	2
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1
STYRENE	ND
MDL UG/L SW846 8021	1
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1

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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW4  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
TETRACHLOROETHENE	6.59
MDL UG/L SW846 8021	1
TOLUENE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
TRICHLOROETHENE	2.79
MDL UG/L SW846 8021	1
TRICHLOROFLUOROMETHANE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1
FLUOROBENZENE	REC% 115
1,4-DICHLOROBUTANE	REC% 136

ND = NOT DETECTED

AUTHORIZED SIGNATURE







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REPORT TO: THERESA CHRISTIANSON  
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MILLER ENGINEERS/SCIENTISTS  
SUITE 1  
1119 KENNEDY AVE  
KIMBERLY WI 54136

REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID MW8  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
DATE SAMPLE RECEIVED	8/19/92
PROJECT NUMBER	10712ES
SAMPLE TYPE	WATER
ODOR WM	NONE
LEAD	14
SAMPLE PH	1.5
DATE DIGESTED	8/20/92
DATE ANALYZED	8/24/92
MDL UG/L SW846 7421	1
MODIFIED DRO WDNR APR 92	
SAMPLE PH	1.9
DATE EXTRACTED	8/20/92
DATE ANALYZED	8/21/92
DIESEL (DRO) UG/L	ND
MDL UG/L	100
MODIFIED GRO WDNR APR 92	
SAMPLE PH	1.4
DATE ANALYZED	8/20/92
GASOLINE (GRO) UG/L	ND
MDL UG/L	100
VOC'S SW846 8021	
SAMPLE PH	1.7
ANALYZED BY	KIM JACOB
DATE ANALYZED	8/19/92
BENZENE	ND
MDL UG/L SW846 8021	.6
BROMOBENZENE	ND
MDL UG/L SW846 8021	1
BROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMODICHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMOFORM	ND
MDL UG/L SW846 8021	1
BROMOMETHANE	ND
MDL UG/L SW846 8021	1
N-BUTYLBENZENE	ND
MDL UG/L SW846 8021	2

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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW8  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
SEC-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
TERT-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
CARBON TETRACHLORIDE	ND
MDL UG/L SW846 8021	1
CHLOROBENZENE	ND
MDL UG/L SW846 8021	1
CHLOROETHANE	ND
MDL UG/L SW846 8021	1
CHLOROFORM	ND
MDL UG/L SW846 8021	1
CHLOROMETHANE	ND
MDL UG/L SW846 8021	1
2-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4
1,1-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1

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 517-322 MW2 1 1577104 02760  
 MILLER ENGINEERS/SCIENTISTS  
 SUITE 1  
 1119 KENNEDY AVE  
 KIMBERLY WI 54136

 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW2  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
SEC-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
TERT-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
CARBON TETRACHLORIDE	ND
MDL UG/L SW846 8021	1
CHLOROBENZENE	ND
MDL UG/L SW846 8021	1
CHLOROETHANE	ND
MDL UG/L SW846 8021	1
CHLOROFORM	ND
MDL UG/L SW846 8021	1
CHLOROMETHANE	ND
MDL UG/L SW846 8021	1
2-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4
1,1-DICHLOROETHANE	15.1
MDL UG/L SW846 8021	1.00
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1

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 MILLER ENGINEERS/SCIENTISTS  
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 KIMBERLY WI 54136

 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW8  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
CIS-1,2 DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2
MTBE	ND
MDL UG/L SW846 8021	1
NAPHTHALENE	ND
MDL UG/L SW846 8021	2
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1
STYRENE	ND
MDL UG/L SW846 8021	1
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1

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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID MW8  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
TETRACHLOROETHENE	ND
MDL UG/L SW846 8021	1
TOLUENE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
TRICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRICHLOROFUOROMETHANE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1
FLUOROBENZENE REC%	116
1,4-DICHLOROBUTANE REC%	140

ND = NOT DETECTED

AUTHORIZED SIGNATURE





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REPORT TO: THERESA CHRISTIANSON  
 517-322 KSW 1 1577107 02760  
 MILLER ENGINEERS/SCIENTISTS  
 SUITE 1  
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 KIMBERLY WI 54136

REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID KSW  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
DATE SAMPLE RECEIVED	8/19/92
PROJECT NUMBER	10712ES
SAMPLE TYPE	WATER
ODOR WM	NONE
LEAD	8
SAMPLE PH	1.6
DATE DIGESTED	8/20/92
DATE ANALYZED	8/24/92
MDL UG/L SW846 7421	1
MODIFIED DRO WDNR APR 92	
SAMPLE PH	1.8
DATE EXTRACTED	8/20/92
DATE ANALYZED	8/21/92
DIESEL (DRO) UG/L	ND
MDL UG/L	100
MODIFIED GRO WDNR APR 92	
SAMPLE PH	1.4
DATE ANALYZED	8/20/92
GASOLINE (GRO) UG/L	ND
MDL UG/L	100
VOC'S SW846 8021	
SAMPLE PH	1.7
ANALYZED BY	KIM JACOB
DATE ANALYZED	8/19/92
BENZENE	3.48
MDL UG/L SW846 8021	.6
BROMOBENZENE	ND
MDL UG/L SW846 8021	1
BROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMODICHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMOFORM	ND
MDL UG/L SW846 8021	1
BROMOMETHANE	ND
MDL UG/L SW846 8021	1
N-BUTYLBENZENE	ND
MDL UG/L SW846 8021	2



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MILLER ENGINEERS/SCIENTISTS  
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KIMBERLY WI 54136

REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID KSW  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
SEC-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
TERT-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
CARBON TETRACHLORIDE	ND
MDL UG/L SW846 8021	1
CHLOROBENZENE	ND
MDL UG/L SW846 8021	1
CHLOROETHANE	ND
MDL UG/L SW846 8021	1
CHLOROFORM	ND
MDL UG/L SW846 8021	1
CHLOROMETHANE	ND
MDL UG/L SW846 8021	1
2-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4
1,1-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1



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425 S. Washington St. Combined Locks, WI 54113  
Phone 414-735-8298

WI DNR Certified Lab #445027660

REPORT TO: THERESA CHRISTIANSON  
517-322 KSW 1 1577107 02760  
MILLER ENGINEERS/SCIENTISTS  
SUITE 1  
1119 KENNEDY AVE  
KIMBERLY WI 54136

REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID KSW  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
CIS-1,2 DICHLOROETHENE	3.95
MDL UG/L SW846 8021	1
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2
MTBE	ND
MDL UG/L SW846 8021	1
NAPHTHALENE	ND
MDL UG/L SW846 8021	2
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1
STYRENE	ND
MDL UG/L SW846 8021	1
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1



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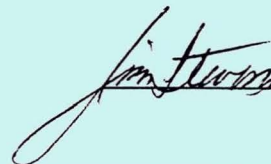
 REPORT TO: THERESA CHRISTIANSON  
 517-322 KSW 1 1577107 02760  
 MILLER ENGINEERS/SCIENTISTS  
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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID KSW  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
TETRACHLOROETHENE	ND
MDL UG/L SW846 8021	1
TOLUENE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
TRICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRICHLOROFLUOROMETHANE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1
FLUOROBENZENE REC%	115
1,4-DICHLOROBUTANE REC%	126

ND = NOT DETECTED

AUTHORIZED SIGNATURE



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 REPORT TO: THERESA CHRISTIANSON  
 517-322 FIELD 1 1577108 02725  
 MILLER ENGINEERS/SCIENTISTS  
 SUITE 1  
 1119 KENNEDY AVE  
 KIMBERLY WI 54136

 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID FIELD  
 SAMPLE DESC REDIQUICK CLEANER

TEST DESCRIPTION
RESULTS

DATE SAMPLE RECEIVED		8/17/92
PROJECT NUMBER		10712ES
SAMPLE TYPE		WATER
ODOR	WM	NONE
LEAD		9
SAMPLE PH		2.1
DATE DIGESTED		8/20/92
DATE ANALYZED		8/24/92
MDL UG/L	SW846 7421	1
VOC'S	SW846 8021	
SAMPLE PH		7.2
ANALYZED BY		KIM JACOB
DATE ANALYZED		8/19/92
BENZENE		ND
MDL UG/L	SW846 8021	.6
BROMOBENZENE		ND
MDL UG/L	SW846 8021	1
BROMOCHLOROMETHANE		ND
MDL UG/L	SW846 8021	1
BROMODICHLOROMETHANE		ND
MDL UG/L	SW846 8021	1
BROMOFORM		ND
MDL UG/L	SW846 8021	1
BROMOMETHANE		ND
MDL UG/L	SW846 8021	1
N-BUTYLBENZENE		ND
MDL UG/L	SW846 8021	2
SEC-BUTYLBENZENE		ND
MDL UG/L	SW846 8021	1
TERT-BUTYLBENZENE		ND
MDL UG/L	SW846 8021	1
CARBON TETRACHLORIDE		ND
MDL UG/L	SW846 8021	1
CHLOROBENZENE		ND
MDL UG/L	SW846 8021	1
CHLOROETHANE		ND
MDL UG/L	SW846 8021	1

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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID FIELD  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
CHLOROFORM	ND
MDL UG/L SW846 8021	1
CHLOROMETHANE	ND
MDL UG/L SW846 8021	1
2-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4
1,1-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
CIS-1,2 DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1



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REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID FIELD  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2
MTBE	ND
MDL UG/L SW846 8021	1
NAPHTHALENE	ND
MDL UG/L SW846 8021	2
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1
STYRENE	ND
MDL UG/L SW846 8021	1
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
TETRACHLOROETHENE	ND
MDL UG/L SW846 8021	1
TOLUENE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1

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REPORT DATE 8/25/92  
SAMPLE DATE 8/17/92  
SAMPLE ID FIELD  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
TRICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRICHLOROFLUOROMETHANE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1
FLUOROBENZENE REC%	112
1,4-DICHLOROBUTANE REC%	144

ND = NOT DETECTED

AUTHORIZED SIGNATURE

COMMENTS:





**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113

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WI DNR Certified Lab #445027660

REPORT TO: JOHN SIGWART  
517-322 TRIP 1 1577109 02701  
MILLER ENGINEERS/SCIENTISTS  
SUITE 1  
1119 KENNEDY AVE  
KIMBERLY WI 54136

REPORT DATE 8/21/92  
SAMPLE DATE 8/17/92  
SAMPLE ID TRIP  
SAMPLE DESC REDIQUICK CLEANER

TEST DESCRIPTION

RESULTS

DATE SAMPLE RECEIVED	8/19/92
PROJECT NUMBER	10712ES
SAMPLE TYPE	WATER
ODOR	NONE
VOC'S	SW846 8021
SAMPLE PH	1.1
ANALYZED BY	KIM JACOB
DATE ANALYZED	8/20/92
BENZENE	ND
MDL UG/L	SW846 8021 .6
BROMOBENZENE	ND
MDL UG/L	SW846 8021 1
BROMOCHLOROMETHANE	ND
MDL UG/L	SW846 8021 1
BROMODICHLOROMETHANE	ND
MDL UG/L	SW846 8021 1
BROMOFORM	ND
MDL UG/L	SW846 8021 1
BROMOMETHANE	ND
MDL UG/L	SW846 8021 1
N-BUTYLBENZENE	ND
MDL UG/L	SW846 8021 2
SEC-BUTYLBENZENE	ND
MDL UG/L	SW846 8021 1
TERT-BUTYLBENZENE	ND
MDL UG/L	SW846 8021 1
CARBON TETRACHLORIDE	ND
MDL UG/L	SW846 8021 1
CHLOROBENZENE	ND
MDL UG/L	SW846 8021 1
CHLOROETHANE	ND
MDL UG/L	SW846 8021 1
CHLOROFORM	ND
MDL UG/L	SW846 8021 1
CHLOROMETHANE	ND
MDL UG/L	SW846 8021 1
2-CHLOROTOLUENE	ND
MDL UG/L	SW846 8021 1



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MILLER ENGINEERS/SCIENTISTS  
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KIMBERLY WI 54136

REPORT DATE 8/21/92  
SAMPLE DATE 8/17/92  
SAMPLE ID TRIP  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4
1,1-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
CIS-1,2 DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1



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KIMBERLY WI 54136

REPORT DATE 8/21/92  
SAMPLE DATE 8/17/92  
SAMPLE ID TRIP  
SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2
MTBE	ND
MDL UG/L SW846 8021	1
NAPHTHALENE	ND
MDL UG/L SW846 8021	2
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1
STYRENE	ND
MDL UG/L SW846 8021	1
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
TETRACHLOROETHENE	ND
MDL UG/L SW846 8021	1
TOLUENE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
TRICHLOROETHENE	ND
MDL UG/L SW846 8021	1



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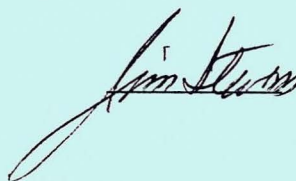
REPORT TO: JOHN SIGWART  
 517-322 TRIP 1 1577109 02701  
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 1119 KENNEDY AVE  
 KIMBERLY WI 54136

REPORT DATE 8/21/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID TRIP  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
TRICHLOROFUOROMETHANE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1
FLUOROBENZENE REC%	109
1,4-DICHLOROBUTANE REC%	141

ND = NOT DETECTED

AUTHORIZED SIGNATURE



COMMENTS:



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REPORT TO: THERESA CHRISTIANSON  
 517-322 DUP 1 1577110 02725  
 MILLER ENGINEERS/SCIENTISTS  
 SUITE 1  
 1119 KENNEDY AVE  
 KIMBERLY WI 54136

REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID DUP  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
DATE SAMPLE RECEIVED	8/17/92
PROJECT NUMBER	10712ES
SAMPLE TYPE	WATER
ODOR WM	NONE
LEAD	8
SAMPLE PH	1.3
DATE DIGESTED	8/20/92
DATE ANALYZED	8/24/92
MDL UG/L SW846 7421	1
VOC'S SW846 8021	
SAMPLE PH	1.5
ANALYZED BY	KIM JACOB
DATE ANALYZED	8/20/92
BENZENE	ND
MDL UG/L SW846 8021	.6
BROMOBENZENE	ND
MDL UG/L SW846 8021	1
BROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMODICHLOROMETHANE	ND
MDL UG/L SW846 8021	1
BROMOFORM	ND
MDL UG/L SW846 8021	1
BROMOMETHANE	ND
MDL UG/L SW846 8021	1
N-BUTYLBENZENE	ND
MDL UG/L SW846 8021	2
SEC-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
TERT-BUTYLBENZENE	ND
MDL UG/L SW846 8021	1
CARBON TETRACHLORIDE	ND
MDL UG/L SW846 8021	1
CHLOROBENZENE	ND
MDL UG/L SW846 8021	1
CHLOROETHANE	ND
MDL UG/L SW846 8021	1

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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID DUP  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
CHLOROFORM	ND
MDL UG/L SW846 8021	1
CHLOROMETHANE	ND
MDL UG/L SW846 8021	1
2-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4
1,1-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
CIS-1,2 DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,3-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1

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 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID DUP  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2
MTBE	ND
MDL UG/L SW846 8021	1
NAPHTHALENE	ND
MDL UG/L SW846 8021	2
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1
STYRENE	ND
MDL UG/L SW846 8021	1
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1
TETRACHLOROETHENE	ND
MDL UG/L SW846 8021	1
TOLUENE	1.52
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1

**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113

Phone 414-735-8298

WI DNR Certified Lab #445027660

 REPORT TO: THERESA CHRISTIANSON  
 517-322 DUP 1 1577110 02725  
 MILLER ENGINEERS/SCIENTISTS  
 SUITE 1  
 1119 KENNEDY AVE  
 KIMBERLY WI 54136

 REPORT DATE 8/25/92  
 SAMPLE DATE 8/17/92  
 SAMPLE ID DUP  
 SAMPLE DESC REDIQUICK CLEANER

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1
TRICHLOROETHENE	ND
MDL UG/L SW846 8021	1
TRICHLOROFUOROMETHANE	ND
MDL UG/L SW846 8021	1
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1
FLUOROBENZENE REC%	109
1,4-DICHLOROBUTANE REC%	150

ND = NOT DETECTED

AUTHORIZED SIGNATURE

COMMENTS:



Chain of Custody Record

517.322

Client Name  
Miller Engineers & Scientists

Project # | Project Name  
10712ES | RediQuick Cleaners

Sampler: (signature)  
Jensen Christianson

Sta. No. | Date | Time | Station Location

No. of Containers	ICE's 8021	GR0	Total Filtered Ph	DRO				Remarks (Waste Type)	Lab Code
8	X	X	X	X				ground water	✓ 1577104
8	X	X	X	X				↓	✓ 1577105
8	X	X	X	X				↓	✓ 1577106
8	X	X	X	X				↓	✓ 1577107
4	X		X					distilled H <sub>2</sub> O	✓ 1577108
3	X							↓	✓ 1577109
4	X		X					ground H <sub>2</sub> O	✓ 1577110

166  
167  
168  
169  
170  
171  
172

Relinquished By: *Jensen Christianson* Date/Time: 8/19/92 7:56 Received By: *John [Signature]*

Relinquished By: *John [Signature]* Date/Time: 8/19/92 3:57 Received By: *Kim M. Jacob*

Relinquished By: Date/Time Received By:

Relinquished By: Date/Time Received By:

Relinquished By: Date/Time Received For Lab. By: Date/Time

Remarks: All bottles preserved as required. Field filtered for total filtered Pb.

Received on ice, good condition.



**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113  
Phone 414-735-8298

WI DNR Certified Lab #445027660

REPORT TO: KRIS GALLAGHER  
517-321 RW 1 1578636 02730  
MILLER ENGINEERS/SCIENTISTS  
  
5308 S 12TH ST  
SHEBOYGAN WI 53081

REPORT DATE 9/15/92  
SAMPLE DATE 9/02/92  
SAMPLE ID RW - East  
SAMPLE DESC REDDI-QUICK

TEST DESCRIPTION

RESULTS

DATE SAMPLE RECEIVED  
PROJECT NUMBER  
SAMPLE TYPE  
ODOR WM

9/4/92  
10712E5  
WATER  
NONE

LEAD  
SAMPLE PH  
DATE DIGESTED  
DATE ANALYZED  
MDL UG/L SW846 7421

1  
1.7  
9/6/92  
9/11/92 1

MODIFIED GRO WDNR APR 92  
SAMPLE PH  
DATE ANALYZED  
GASOLINE (GRO) UG/L  
MDL UG/L

1.6  
9/5/92  
ND 100

VOC'S SW846 8021  
SAMPLE PH  
ANALYZED BY  
DATE ANALYZED

1.6  
KIM JACOB  
9/8/92  
2.3

BENZENE MDL UG/L SW846 8021  
BROMOBENZENE MDL UG/L SW846 8021  
BROMOCHLOROMETHANE MDL UG/L SW846 8021  
BROMODICHLOROMETHANE MDL UG/L SW846 8021  
BROMOFORM MDL UG/L SW846 8021  
BROMOMETHANE MDL UG/L SW846 8021  
N-BUTYLBENZENE MDL UG/L SW846 8021  
SEC-BUTYLBENZENE MDL UG/L SW846 8021  
TERT-BUTYLBENZENE MDL UG/L SW846 8021

0.6  
ND 1.0  
ND 1.0  
ND 1.0  
ND 1.0  
ND 1.0  
ND 1.0  
ND 2.0  
ND 1.0  
ND 1.0





**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113  
Phone 414-735-8298

WI DNR Certified Lab #445027660

REPORT TO: KRIS GALLAGHER  
517-321 RW 1 1578636 02730  
MILLER ENGINEERS/SCIENTISTS  
  
5308 S 12TH ST  
SHEBOYGAN WI 53081

REPORT DATE 9/15/92  
SAMPLE DATE 9/02/92  
SAMPLE ID RW-645  
SAMPLE DESC REDDI-QUICK

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
CARBON TETRACHLORIDE	ND
MDL UG/L SW846 8021	1.0
CHLOROBENZENE	ND
MDL UG/L SW846 8021	1.0
CHLOROETHANE	ND
MDL UG/L SW846 8021	1.0
CHLOROFORM	ND
MDL UG/L SW846 8021	1.0
CHLOROMETHANE	ND
MDL UG/L SW846 8021	1.0
2-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1.0
4-CHLOROTOLUENE	ND
MDL UG/L SW846 8021	1.0
1,2DIBROMO 3CHLOROPROPANE	ND
MDL UG/L SW846 8021	1.0
DIBROMOCHLOROMETHANE	ND
MDL UG/L SW846 8021	1.0
DIBROMOETHANE	ND
MDL UG/L SW846 8021	1.0
DIBROMOMETHANE	ND
MDL UG/L SW846 8021	1.0
1,2-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1.0
1,3-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1.0
1,4-DICHLOROBENZENE	ND
MDL UG/L SW846 8021	1.0
DICHLORODIFLUOROMETHANE	ND
MDL UG/L SW846 8021	4.0
1,1-DICHLOROETHANE	1.7
MDL UG/L SW846 8021	1.0
1,2-DICHLOROETHANE	ND
MDL UG/L SW846 8021	1.0
1,1-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1.0
CIS-1,2 DICHLOROETHENE	ND
MDL UG/L SW846 8021	1.0





**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113  
Phone 414-735-8298

WI DNR Certified Lab #445027660

REPORT TO: KRIS GALLAGHER  
517-321 RW 1 1578636 02730  
MILLER ENGINEERS/SCIENTISTS  
  
5308 S 12TH ST  
SHEBOYGAN WI 53081

REPORT DATE 9/15/92  
SAMPLE DATE 9/02/92  
SAMPLE ID RW-East  
SAMPLE DESC REDDI-QUICK

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
TRANS 1,2-DICHLOROETHENE	ND
MDL UG/L SW846 8021	1.0
1,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1.0
1,3-DICHLOROPROPANE	23
MDL UG/L SW846 8021	1.0
2,2-DICHLOROPROPANE	ND
MDL UG/L SW846 8021	1.0
DI-ISOPROPYL ETHER	ND
MDL UG/L SW846 8021	1.0
1,1-DICHLOROPROPENE	ND
MDL UG/L SW846 8021	1.0
ETHYLBENZENE	ND
MDL UG/L SW846 8021	1.0
EDB (ETHYLENEDIBROMIDE)	ND
MDL UG/L SW846 8021	1.0
HEXACHLOROBUTADIENE	ND
MDL UG/L SW846 8021	1.0
ISOPROPYLBENZENE	ND
MDL UG/L SW846 8021	1.0
P-ISOPROPYLTOLUENE	ND
MDL UG/L SW846 8021	1.0
METHYLENE CHLORIDE	ND
MDL UG/L SW846 8021	2.0
MTBE	ND
MDL UG/L SW846 8021	1.0
NAPHTHALENE	ND
MDL UG/L SW846 8021	2.0
N-PROPYLBENZENE	ND
MDL UG/L SW846 8021	1.0
STYRENE	ND
MDL UG/L SW846 8021	1.0
1,1,1,2-TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1.0
1,1,2,2 TETRACHLOROETHANE	ND
MDL UG/L SW846 8021	1.0
TETRACHLOROETHENE	50
MDL UG/L SW846 8021	1.0



**Analytical Laboratory**

425 S. Washington St. Combined Locks, WI 54113  
Phone 414-735-8298

WI DNR Certified Lab #44502700

REPORT TO: KRIS GALLAGHER  
517-321 RW 1 1578636 02730  
MILLER ENGINEERS/SCIENTISTS  
  
5308 S 12TH ST  
SHEBOYGAN WI 53081

REPORT DATE 9/15/92  
SAMPLE DATE 9/02/92  
SAMPLE ID RW ~~Fast~~  
SAMPLE DESC REDDI-QUICK

<u>TEST DESCRIPTION</u>	<u>RESULTS</u>
TOLUENE	ND
MDL UG/L SW846 8021	1.0
1,2,3-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1.0
1,2,4-TRICHLOROBENZENE	ND
MDL UG/L SW846 8021	1.0
1,1,1-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1.0
1,1,2-TRICHLOROETHANE	ND
MDL UG/L SW846 8021	1.0
TRICHLOROETHENE	13
MDL UG/L SW846 8021	1.0
TRICHLOROFUOROMETHANE	ND
MDL UG/L SW846 8021	1.0
1,2,3-TRICHLOROPROPANE	ND
MDL UG/L SW846 8021	1.0
1,2,4-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1.0
1,3,5-TRIMETHYLBENZENE	ND
MDL UG/L SW846 8021	1.0
VINYL CHLORIDE	ND
MDL UG/L SW846 8021	5.0
M & P-XYLENE	ND
MDL UG/L SW846 8021	1.5
O-XYLENE	ND
MDL UG/L SW846 8021	1.0
FLUOROBENZENE REC%	109
1,4-DICHLOROBUTANE REC%	112

ND = NOT DETECTED

AUTHORIZED SIGNATURE

COMMENTS:

BILL [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED] [REDACTED]  
 APTN: KRIS GALLAGHER

U.S. Analytical Lab

Chain of Custody Record

Project #		Project Name				No. of Containers	VOC (8021)	GRO	PB				Remarks (Waste Type)
Sampler: (signature)													
Sta. No.	Date	Time	Station Location										
RW	9-29	3:30	1578636 #11b			7	3	3	1			* ALL SAMPLES FIELD PRESERVED AS REQUIRED	
Relinquished By:		Date/Time	Received By:			Relinquished By:		Date/Time	Received By:				
Rogers M. Bernabé		9/3/92 2:10	Karen Taylor										
Relinquished By:		Date/Time	Received By:			Relinquished By:		Date/Time	Received By:				
UPS		9/4/92 12:00	Cheri Glue										
Relinquished By:		Date/Time	Received For Lab. By:		Date/Time	Remarks:							
						UPS good on ice							