

CLARK

SEP 09 1994

REFINING & MARKETING, INC.

1307 Butterfield Road, Suite 424
Downers Grove, Illinois 60515

August 22, 1994

Mr. John Feeney
Hydrogeologist, Tank Response Unit
Wisconsin Department of Natural Resources
Southeast District - Annex Building
4041 North Richards Street
Milwaukee, WI 53212


Re: Status Report: Clark Store #1656
1020 Washington Street
Grafton, WI
FID# 246065160

Dear John:

The purpose of this submittal is to respond to your May 24, 1994, letter requesting information concerning the status of the investigative activities at Clark Store #1656. I apologize for the delay in my response. Your letter was misfiled and I just found out today that we did not provide you with the information you requested. Enclosed please find two reports which document the activities which have been performed to date. I am currently soliciting bids to complete an off site investigation to evaluate the groundwater quality east of the Clark property.

I trust these submittals will provide you with sufficient information. If you have any further questions or comments, please contact me at (708) 434-5300 extension 209.

Sincerely,
Clark Refining & Marketing, Inc.


Maureen Turman
Environmental Projects Manager

Enclosure(s): 2



SEP 09 1994

Station 1656 - Grafton

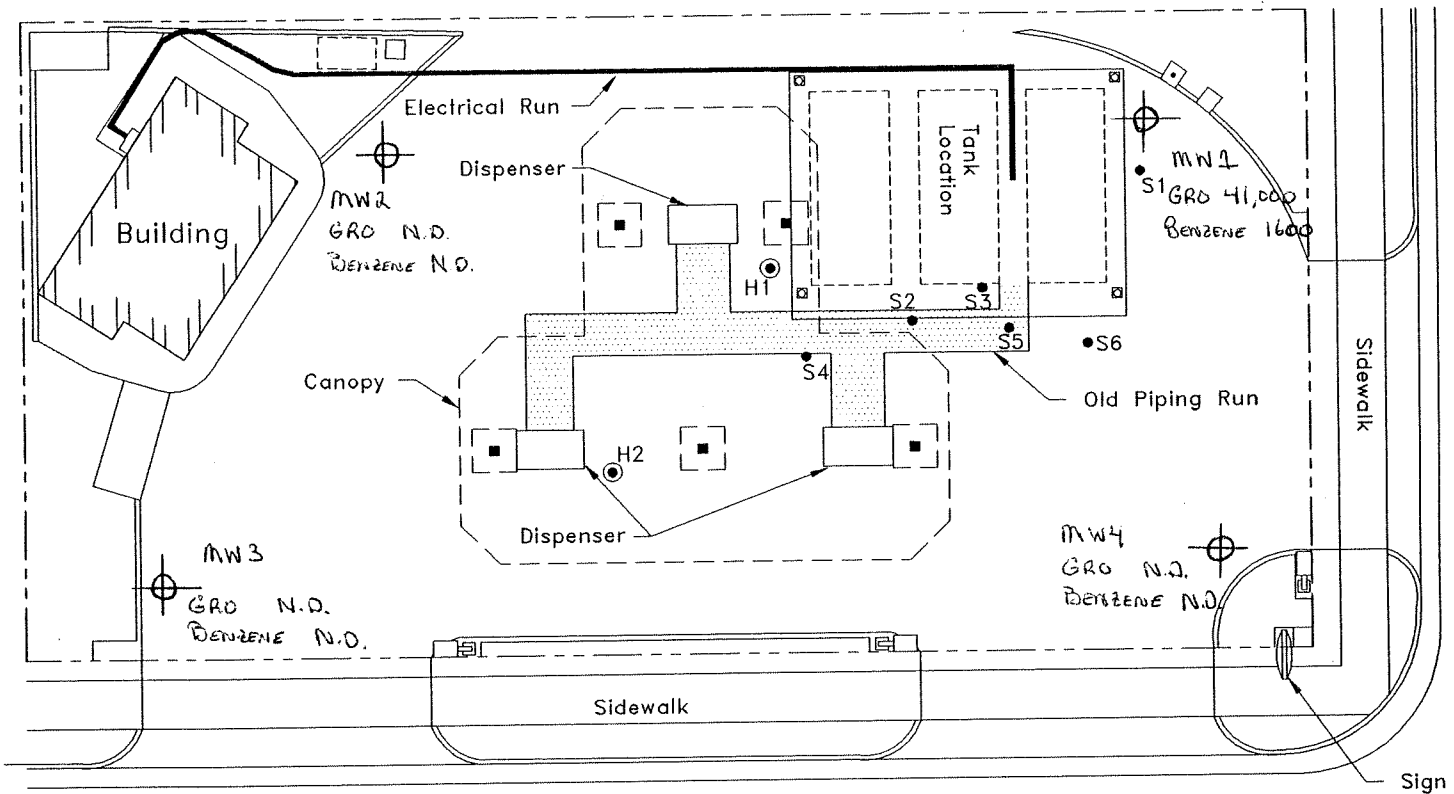
Results:

- Modified Phase 1 investigation completed and report previously submitted.
- Phase 2 investigation initiated - 4 wells installed.
- GRO and PVOCs detected in 1 of 4 site wells.
- PVOC concentrations in MW1 exceed Wisconsin groundwater standards.
- Groundwater flow direction is approximately to the east.
- Water table is approximately 9' below ground surface.
- Dolomite bedrock was encountered at 10½ to 11½' depth.

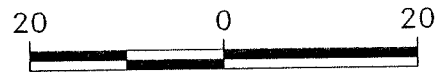
Recommendations:

We recommend proceeding to a Modified Phase 2 investigation. Off-site migration of contaminated groundwater likely has occurred east of the site. This site may require a drill rig with rock drilling capabilities.

Figure 1



- Key
- ☐ Lights
 - Soil Boring Location
 - Soil Sample Location
 - ◻ Sump Location
 - Canopy Support Pillar
 - EXAMPLE
 - ⊕ LOCATION of Monitoring Well
 - GRO - Gasoline Range Organic (ppb)
 - BENZENE (ppb)



SCALE: 1" = 20'

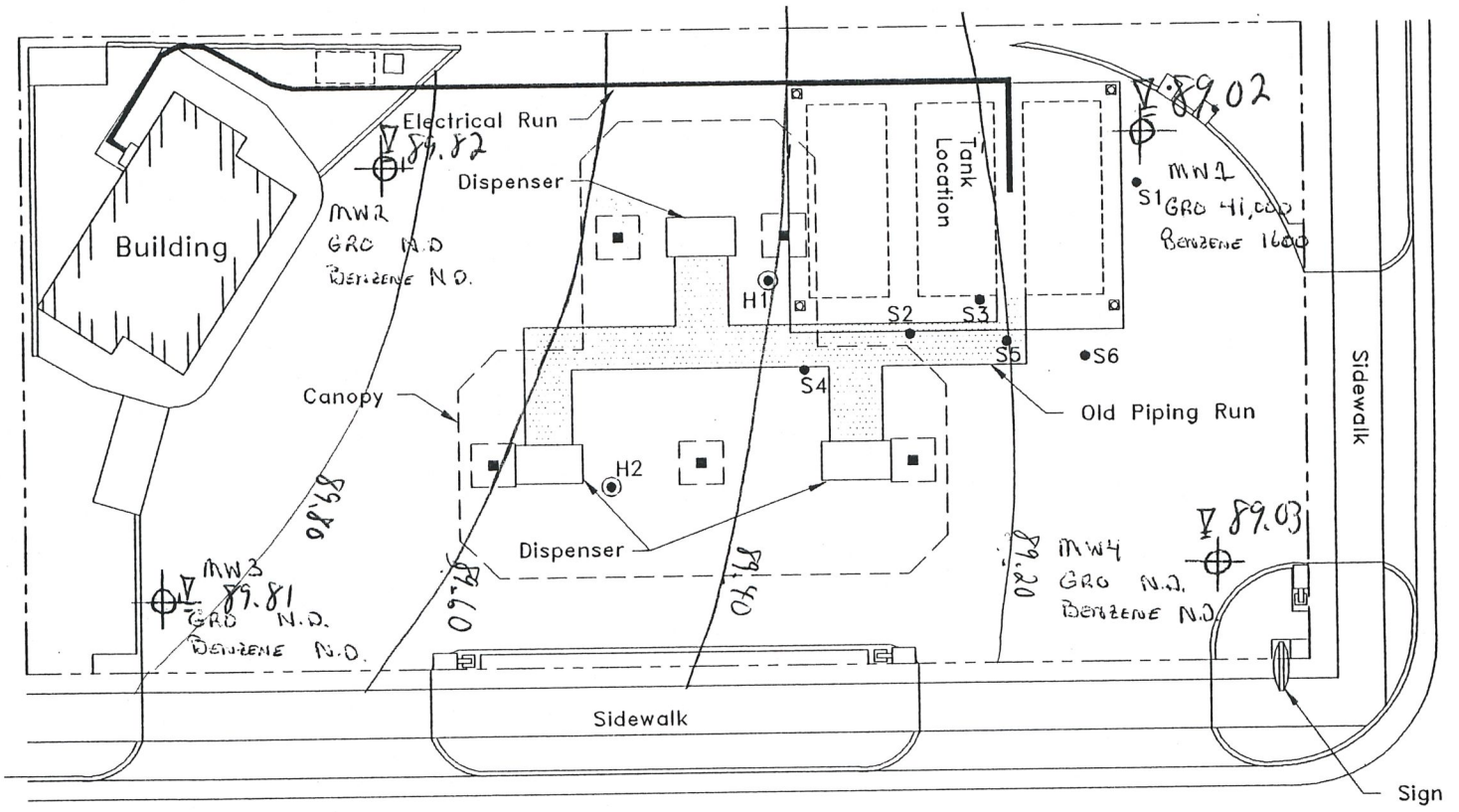
Clark Oil Station 1656 - Site Map

Project No. 605 site-map.dwg

Drawn By: KP 6/30/93

BT², Inc.

Figure 1



- Key**
- ☐ Lights
 - ⊙ Soil Boring Location
 - Soil Sample Location
 - ▣ Sump Location
 - Canopy Support Pillar
 - example
 - ⊕ LOCATION of Monitoring Well
GRO - Gasoline Range Organics (ppb)
Benzene (ppb)
 - ∇ 11/1/92 Groundwater elevation
93



SCALE: 1" = 20'

Clark Oil Station 1656 - Site Map

Project No. 605	site-map.dwg
Drawn By: KP	6/30/93

BT², Inc.

**SPECIALIZED ASSAYS
ENVIRONMENTAL**

REFERRING CLIENT

Account: 5470 *5469*
BT-2, Inc.
Tom Bergamini
3118 Watford Way,
Madison, WI 53713
Ph: 608-277-2840 Fax: 608-277-2850



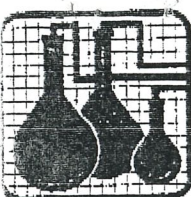
300 12th Ave., South
Nashville, TN. 37203
615-726-0177
FAX 615-726-3404

ILLING CONTROL NUMBER [FOR LAB USE ONLY] <i>1359</i>	PROJECT # <i>605B</i>	P.O. #
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SAMPLERS [Signature] <i>Kil Pat</i>	PROJECT NAME <i>CLARK OIL 1656</i>
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FOR LAB USE ONLY ACC #	SAMPLE DESCRIPTION	DATE	TIME	COMP	GRAB	STORING	ANALYSIS REQUESTED
<i>5588</i>	<i>MW1</i>	<i>11-1-93</i>	<i>PM</i>		<i>X</i>	<i>7</i>	<i>GRD (3-40.mL) Pb (1-250.mL) VOL (3-40.mL)</i>
<i>5589</i>	<i>MW2</i>	<i>"</i>	<i>"</i>		<i>X</i>	<i>7</i>	<i>GRD (3-40.mL) Pb (1-250.mL) VOL (3-40.mL)</i>
<i>5590</i>	<i>MW3</i>	<i>"</i>	<i>"</i>		<i>X</i>	<i>7</i>	<i>GRD (3-40.mL) Pb (1-250.mL) VOL (3-40.mL)</i>
<i>5591</i>	<i>MW4</i>	<i>"</i>	<i>"</i>		<i>X</i>	<i>7</i>	<i>GRD (3-40.mL) Pb (1-250.mL) VOL (3-40.mL)</i>
<i>5592</i>	<i>FIELD DUP</i>	<i>"</i>	<i>"</i>		<i>X</i>	<i>3</i>	<i>VOL (3-40.mL)</i>
<i>5593</i>	<i>TRIP BLANK</i>	<i>"</i>	<i>AM</i>		<i>X</i>	<i>3</i>	<i>VOL (3-40.mL)</i>

Inquished by: [Signature] <i>[Signature]</i>	Date / Time <i>11/2/93 1300</i>	Received by: [Signature]	Received for Laboratory by: <i>[Signature]</i>	Date / Time <i>11/03/93 15:35</i>
Inquished by: [Signature]	Date / Time	Received by: [Signature]	Remarks <i>Copy of CDC with results. Fax results. VOC 8021</i>	
Inquished by: [Signature]	Date / Time	Received by: [Signature]		
Inquished by: [Signature]	Date / Time	Received by: [Signature]		



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way
Madison, WI 53713

Sample: MW-1
CLARK STORE #1656

Lab Number: 93-A005588

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

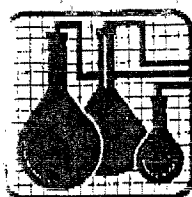
Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PDL	MDL	Date	Time	Analyst	Method
Lead	< 3.0	ug/l	3.0	3.0	11/ 4/93	12:57	R.Street	7821
Gasoline Range Organics	41.0	mg/l	0.1	0.10	11/ 5/93	14:36	J.Mitchell	WDNR MOD
Benzene	1.60	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
sec-Butylbenzene	1.20	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
tert-Butylbenzene	0.260	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,4-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Ethylbenzene	0.920	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Isopropylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Isopropyltoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Naphthalene	0.640	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Propylbenzene	0.130	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Styrene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Toluene	4.50	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3,5-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
m,p-Xylenes	5.10	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
o-Xylene	3.90	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Hexachlorobutadiene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way
Madison, WI 53713

Sample: MW-1
CLARK STORE #1656

Lab Number: 93-A005588

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

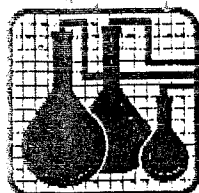
Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PCL	MDL	Date	Time	Analyst	Method
Bromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromodichloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromoform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Carbon tetrachloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromoethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Vinyl chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dichlorodifluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Methylene chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: MW-1
CLARK STORE #1656

Lab Number: 93-A005588

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

Time Received: 15:35

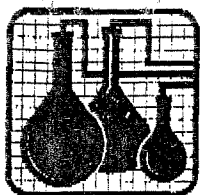
Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
1,1,2,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Tetrachloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichlorofluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromo-3-chloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021

T. J. Pruett
Laboratory Supervisor



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: MW-2
CLARK STORE #1656

Lab Number: 93-A005589

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

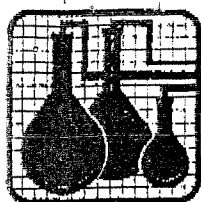
Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
Lead	< 3.0	ug/l	3.0	3.0	11/ 4/93	12:57	R.Street	7321
Gasoline Range Organics	< 0.1	mg/l	0.1	0.10	11/ 5/93	14:36	J.Mitchell	WDNR MCD
Benzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
sec-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
tert-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,4-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Ethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Isopropylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Isopropyltoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Naphthalene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Propylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Styrene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Toluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3,5-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
m,p-Xylenes	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
o-Xylene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Hexachlorobutadiene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way
Madison, WI 53713

Sample: MW-2
CLARK STORE #1656

Lab Number: 93-A005589

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

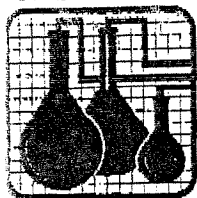
Time Received: 15:25

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
Bromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromodichloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromoform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Carbon tetrachloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromoethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Vinyl chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dichlorodifluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Tetraylene chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: MW-2
CLARK STORE #1656

Lab Number: 93-A005589

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

Time Received: 15:35

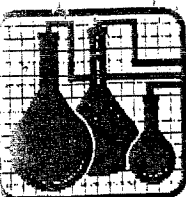
Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PGL	MDL	Date	Time	Analyst	Method
1,1,2,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Tetrachloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichlorofluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromo-3-chloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021

T. J. D. Wells
Laboratory Supervisor



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: MW-8
CLARK STORE #1656

Lab Number: 93-A005590

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

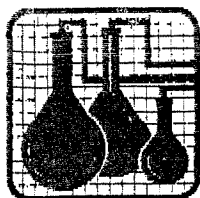
Time Received: 15:25

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PCL	MDL	Date	Time	Analyst	Method
Lead	< 3.0	ug/l	3.0	3.0	11/ 4/93	12:57	R.Street	7321
Gasoline Range Organics	< 0.1	mg/l	0.1	0.10	11/ 5/93	14:36	J.Mitchell	WDNR MOD
Benzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
sec-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
tert-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,4-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Ethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Isopropylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Isopropyltoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Napthalene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Propylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Styrene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Toluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3,5-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
o,p-Xylenes	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
m-Xylene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Hexachlorocyclopentadiene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: MW-3
CLARK STORE #1656

Lab Number: 93-A005590

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
Bromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromodichloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromoform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Carbon tetrachloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromoethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Vinyl chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dichlorodifluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Methylene chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way
Madison, WI 53713

Sample: MW-3
CLARK STORE #1656

Lab Number: 93-A005590

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PCL	MDL	Date	Time	Analyst	Method
1,1,2,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Tetrachloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichlorofluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromo-3-chloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021

T. J. Daulton
Laboratory Supervisor



ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: MW-4
CLARK STORE #1456

Lab Number: 93-A005591

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PCL	MDL	Date	Time	Analyst	Method
Lead	< 3.0	ug/l	3.0	3.0	11/ 4/93	12:57	R.Street	7321
Gasoline Range Organics	< 0.1	mg/l	0.1	0.10	11/ 5/93	14:36	J.Mitchell	WDNR MOD
Benzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
sec-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
tert-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,4-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Ethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Isopropylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Isopropyltoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Napthalene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Propylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Styrene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Toluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3,5-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
m,p-Xylenes	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
o-Xylene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Hexachlorobutadiene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021

SPECIALIZED ASSAYS



ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: MW-4
CLARK STORE #1656

Lab Number: 93-A005591

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

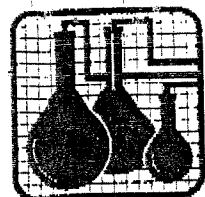
Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
Bromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromodichloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromoform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Carbon tetrachloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromoethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Vinyl chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dichlorodifluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Methylene chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way
Madison, WI 53713

Sample: MW-4
CLARK STORE #1656

Sampler: KIRK PETERSON

Date Collected: 11/ 1/93

Time Collected:

Sample type: Water

Site I.D.:

Lab Number: 93-A005591

State Certification: 998020430

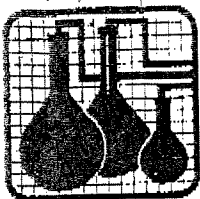
Date Received: 11/ 3/93

Time Received: 15:35

Preservative: HCl

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
1,1,2,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Tetrachloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichlorofluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromo-3-chloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021

T. A. D. Smith
Laboratory Supervisor



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: FIELD DUP
CLARK STORE #1656

Sampler: KIRK PETERSON

Date Collected: 11/ 1/93

Time Collected:

Sample type: Water

Site I.D.:

Lab Number: 93-A00559E

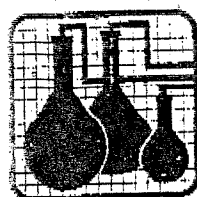
State Certification: 998020430

Date Received: 11/ 3/93

Time Received: 15:35

Preservative: HCl

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
Benzene	1.50	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Butylbenzene	0.540	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
sec-Butylbenzene	0.240	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
tert-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,4-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Ethylbenzene	0.680	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Isopropylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Isopropyltoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Napthalene	0.500	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Propylbenzene	0.120	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Styrene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Toluene	4.20	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3,5-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
m,p-Xylenes	4.70	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
o-Xylene	3.60	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Hexachlorobutadiene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromodichloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: FIELD DUF
CLARK STORE #1656

Lab Number: 93-A005592

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

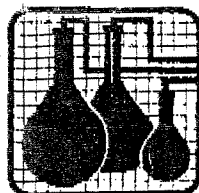
Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
Bromoform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Carbon tetrachloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromoethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Vinyl chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dichlorodifluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Methylene chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Tetrachloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: FIELD DUF
CLARK STORE #1656

Lab Number: 73-A005592

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

Time Received: 15:35

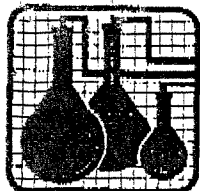
Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
1,1,1-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichlorofluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromo-3-chloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021

T. A. Smith
Laboratory Supervisor



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
311B Watford Way

Madison, WI 53713

Sample: TRIP BLANK
CLARK STORE #1656

Lab Number: 93-A005598

Sampler: KIRK PETERSON

State Certification: 998020480

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

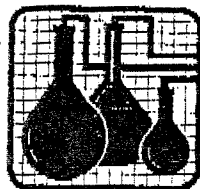
Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
Benzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
sec-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
tert-Butylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Chlorotoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,4-Dichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Ethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Isopropylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
4-Isopropyltoluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Napthalene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
n-Propylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Styrene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Toluene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trichlorobenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,4-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3,5-Trimethylbenzene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
m,p-Xylenes	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
o-Xylene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Hexachlorobutadiene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromodichloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

BT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: TRIP BLANK
CLARK STORE #1656

Sampler: KIRK PETERSON

Date Collected: 11/ 1/93

Time Collected:

Sample type: Water

Site I.D.:

Lab Number: 93-A005593

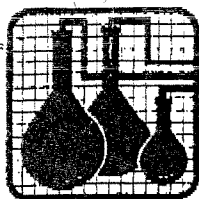
State Certification: 998020480

Date Received: 11/ 3/93

Time Received: 15:35

Preservative: HCl

Analyte	Result	Units	FDL	MDL	Date	Time	Analyst	Method
Bromoform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Bromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Carbon tetrachloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloroform	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Chloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromochloromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromoethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dibromomethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2,3-Trichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Vinyl chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Dichlorodifluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,2-Dichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,3-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
2,2-Dichloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
cis-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
trans-1,3-Dichloropropene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Methylene chloride	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,1,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2,2-Tetrachloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Tetrachloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021



SPECIALIZED ASSAYS
ENVIRONMENTAL

300 12th Avenue South
Nashville, Tennessee 37203

ANALYTICAL REPORT

RT-2 5469
3118 Watford Way

Madison, WI 53713

Sample: TRIP BLANK
CLARK STORE #1656

Lab Number: 93-A005593

Sampler: KIRK PETERSON

State Certification: 998020430

Date Collected: 11/ 1/93

Date Received: 11/ 3/93

Time Collected:

Time Received: 15:35

Sample type: Water

Preservative: HCl

Site I.D.:

Analyte	Result	Units	PQL	MDL	Date	Time	Analyst	Method
1,1,1-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,1,2-Trichloroethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichloroethene	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
Trichlorofluoromethane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021
1,2-Dibromo-3-chloropropane	< 0.001	mg/l	0.001	0.001	11/ 5/93	9:55	A.Mitchell	8021

T. A. Brulley
Laboratory Supervisor

605B

State of Wisconsin
Department of Natural Resources

Route To:
 Solid Waste
 Emergency Response
 Wastewater
 Haz. Waste
 Underground Tanks
 Water Resources
 Other

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Facility/Project Name **CLARK # 1656** License/Permit/Monitoring Number _____ Boring Number **MW 7X**

Boring Drilled By (Firm name and name of crew chief) **ED CLARK - BURLINGTON ENVIRONMENTAL** Date Drilling Started **10-5-93** Date Drilling Completed **10-5-93** Drilling Method **4 1/4" HSA**

DNR Facility Well No. _____ DNR Unique Well No. _____ Common Well Name _____ Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter **8.5** inches

Boring Location State Plane _____ N, _____ E S/C/N Lat _____ Local Grid Location (if applicable) _____ Feet N _____ Feet E _____ Feet S _____ Feet W

County **OZAUKEE** DNR County Code _____ Civil Town/City/or Village **GRAFTON**

Sample Number	Length Recovered (In.)	Blow Counts	Depth In Ft	LOGGED BY GF PRIN Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments	
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	P 200		
1733	42		0-6"	CONCRETE	Fill										
			6-12"	GRAVEL BASE COURSE	ML-CL										
			12-2.5'	BLACK SILTY CLAY (TOP SOIL)	ML-CL										
1735	2		2.5-4.0'	STIFF, DK BRN SILTY CLAY, 4% FINE SAND	ML-CL										
			4.0-5'	MED DENSE, GY-BRN MOTTLED SILT	ML										
1742	3		5-8.0'	MED DENSE, DK. GY F-M SAND	SP-Sm										
1745	4		8.0-10'	LITTLE SILT; HORIZONTAL AND STEEPLY DIPPING THIN (1") SILT SEAMS	SP-Sm										
			10-11.0'	AUGER REFUSAL ON APPARENT DOLOMITE BEDROCK	OL										
			11.0-15'	ABANDON COREHOLE WITH 2.8 FT ³ BENTONITE											

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm _____

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

All abandonment work shall be performed in accordance with the provisions of Chapters NR 111, NR 112 or NR 141, Wis. Admin. Code, whichever is applicable. Also, see instructions on back.

(1) GENERAL INFORMATION

Well/Drillhole/Borehole Location: _____ County: WISCONSIN

Original Well Owner (If Known): CLARK OIL CO

Present Well Owner: CLARK OIL CO

Street or Route: _____

City, State, Zip Code: _____

Facility Well No. and/or Name (If Applicable): MW-1 WI Unique Well No.: _____

Reason For Abandonment: SOIL BORING

Date of Abandonment: 10-6-93

WELL/DRILLHOLE/BOREHOLE INFORMATION

(2) Original Well/Drillhole/Borehole Construction Completed On (Date): 10-5-93

Monitoring Well
 Water Well
 Drillhole
 Borehole

Construction Report Available?
 Yes No

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (Specify) _____

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth (ft.) 11 Casing Diameter (ins.) 4 1/4" HSA

Casing Depth (ft.) 11

Was Well Annular Space Grouted? Yes No Unknown
If Yes, To What Depth? _____ Feet

(4) Depth to Water (Feet) 8-5

Pump & Piping Removed? Yes No Not Applicable
Liner(s) Removed? Yes No Not Applicable
Screen Removed? Yes No Not Applicable
Casing Left in Place? Yes No
If No, Explain TEMPORARY OIL CASING REMOVED

Was Casing Cut Off Below Surface? Yes No
Did Sealing Material Rise to Surface? Yes No
Did Material Settle After 24 Hours? Yes No
If Yes, Was Hole Retopped? Yes No

(5) Required Method of Placing Sealing Material
 Conductor Pipe-Gravity Conductor Pipe-Pumped
 Dump Bailer Other (Explain) GRAVITY

(6) Sealing Materials

<input type="checkbox"/> Neat Cement Grout	For monitoring wells and monitoring well boreholes only
<input type="checkbox"/> Sand-Cement (Concrete) Grout	
<input type="checkbox"/> Concrete	
<input type="checkbox"/> Clay-Sand Slurry	
<input type="checkbox"/> Bentonite-Sand Slurry	
<input type="checkbox"/> Chipped Bentonite	

Bentonite Pellets
 Granular Bentonite
 Bentonite - Cement Grout

(7) Sealing Material Used	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume	Mix Ratio or Mud Weight
<u>CONCRETE</u>	<u>Surface</u>	<u>1 1/2</u>		
<u>BENTONITE CHIPS</u>	<u>1 1/2</u>	<u>11</u>	<u>2.8 ft³</u>	<u>DRY MIX</u>

(8) Comments: _____

(9) Name of Person or Firm Doing Sealing Work

Signature of Person Doing Work: _____ Date Signed: _____

Street or Route: _____ Telephone Number: () _____

City, State, Zip Code: _____

(10) FOR DNR OR COUNTY USE ONLY

Date Received/Inspected: _____ District/County: _____

Reviewer/Inspector: _____

Follow-up Necessary: _____

Facility/Project Name: CLARK OIL # 1656
 License/Permit/Monitoring Number: _____
 Boring Number: MW-1
 Boring Drilled By (Firm name and name of crew chief): Ed Clark; Burlington Environmental Drilling
 Date Drilling Started: 10-7-93
 Date Drilling Completed: 10-7-93
 Drilling Method: 4 1/4" 4-Stage Tube
 Common Well Name: MW-1
 Final Static Water Level: _____ Feet MSL
 Surface Elevation: _____ Feet MSL
 Borehole Diameter: 8.5 inches
 Boring Location: State Plane _____ N, _____ E S/C/N Lat _____
 NW 1/4 of NE 1/4 of Section 24, T 10 N, R 21 E/W Long _____
 County: OZAUKEE
 DNR County Code: _____ Civil Town/City/or Village: GRAFTON

Sample Number	Length Recovered (In.)	Blow Counts	Depth in Ft	LOGGED BY GFPR on Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties							
									Standard Penetration - Fibers	Moisture Content	Liquid Limit	Plastic Limit	P 200	ROD	Comments	
1	42	*	0-6"	CONCRETE	ML-CL			0		M						
			6"-1.0'	GRAVEL BASE COARSE	ML-CL											
2			1.0'-2.0'	BLACK SILTY CLAY (TOPSOIL)	CL			0	2.5	M						
			2.0'-4.5'	STIFF, BRN SILTY CLAY, LITTLE FC SAND LITTLE FC GRAVEL (TILL)	CL					M						
3	60		4.5'-5'	MED. DENSE, GY-BRN SILT	ML					M						
4			5'-8.5'	MED. DENSE, DK. GY F.M SAND, LITTLE SILT; SCATTERED THIN (1/2") SILT SEAMS	SP-SM					W						
			8.5'-11.0'	AUGER REFUSAL ON APPARENT DOLOMITE BEDROCK AT 11'!												
			11.0'-20'	SET 5" PVC SCREEN TO 20'												

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: _____

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

* No BLOW COUNTS -> USED CONTINUOUS TUBE SAMPLER

Facility/Project Name CLARK OIL #1656 License/Permit/Monitoring Number _____ Boring Number MW-2

Boring Drilled By (Firm name and name of crew chief) ED CLARK BURLINGTON ENVIRONMENTAL DRILLING Date Drilling Started 10-7-93 Date Drilling Completed 10-7-93 Drilling Method 4 1/4" HSA

DNR Facility Well No. _____ Unique Well No. _____ Common Well Name MW-2 Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter 8.5 inches

Boring Location State Plane _____ N, _____ E S/C/N Lat _____ Long _____ Local Grid Location (if applicable) N E S W

County OZAUKEE DNR County Code _____ Civil Town/City/or Village GRAFTON

Sample Number	Length Recovered (in.)	Blow Counts	Depth in Ft	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties				P 200	ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit		
1043	1	*	5"	CONCRETE	FILL									
			1-2'	GRAVEL BASE COURSE	FILL									
1045	2	48	2.5'	BLACK ORGANIC SILTY CLAY (FILL)	FILL			10		m				GOOD AT 4'
			4-5'	MED. DENSE, BLACK ORGANIC SILT MIXED W/ SANDY GRAVEL (FILL)	FILL			0		m				
1057	3	22	5'	DENSE, BRN F-C SANDY GRAVEL LITTLE SILT; ROUND GRVEL	GP-GM			0		m				WET AT 3'
1109	4-55	20	9-13 21-18	V-STIFF, BRN SILTY CLAY, LITTLE FC SAND, TR. F. GRAVEL (TILL)	ML-CL			0	4.0	m				AVGER REFUSAL AT 11.5'
			11.5'	SET 5' SCREEN TO 11.5'										END

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____

Firm _____

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* NO BLOW COUNTS → USED CONTINUOUS TUBE SAMPLER

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

Facility/Project Name **CLARK OIL # 1656** License/Permit/Monitoring Number _____ Boring Number **MW-3**

Boring Drilled By (Firm name and name of crew chief) **ED CLARK - BURLINGTON ENVIRONMENTAL DRILLING** Date Drilling Started **10-7-93** Date Drilling Completed **10-7-93** Drilling Method **4 1/4" HSA**

DNR Facility Well No. _____ WI Unique Well No. _____ Common Well Name **MW-3** Final Static Water Level _____ Feet MSL Surface Elevation _____ Feet MSL Borehole Diameter **8.5** inches

Boring Location State Plane _____ N, _____ E S/C/N Lat _____ Long _____ Local Grid Location (if applicable) _____ Feet N _____ Feet S _____ Feet E _____ Feet W

County **OZAUKEE** DNR County Code _____ Civil Town/City/or Village **GRAFTON**

Sample Number	Length Recovered (in.)	Blow Counts	Depth in Ft	LOGGED BY GF Prior Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties				ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit	
1	40	*	4'	CONCRETE	FILL			0	M				
			1.0'	GRAVEL BASE COURSE	ml-cl			0	M				
2			3.5'	DK. BRN SILTY CLAY	Gm			0	M				
3-8	2"	52-6	5'	DENSE, BRN SILTY F-C GRAVEL SOME SAND (TILL)	ML-CL			0	1.5	M			
4			4.5'	MED STIFF, BRN SILTY CLAY LITTLE F-C SAND, TR F. GRAVEL	ML-CL			0	1.0	M			
5			10.5'		SP-SM			0		W			
6-9	12"	7-25	11.7'	DENSE, BRN F-SAND LITTLE SILT	SP-SM			0					
			11.7'	END									
			15'	SET 5' PVC SCREEN TO 11 1/2'									

COBBLES 3 1/2, 4'

ANGEL REFUSAL AT 11 1/2'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm _____

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State of Wisconsin
Department of Natural Resources

- Route To:
- Solid Waste
 - Emergency Response
 - Wastewater
 - Haz. Waste
 - Underground Tanks
 - Water Resources
 - Other

SOIL BORING LOG INFORMATION
Form 4400-122 7-91

Facility/Project Name: **CLARK OIL # 1656** License/Permit/Monitoring Number: _____ Boring Number: **MW-4**

Boring Drilled By (Firm name and name of crew chief): **ED CLARK - BURLINGTON ENVIRONMENTAL CHEMISTS** Date Drilling Started: **10-8-93** Date Drilling Completed: **10-8-93** Drilling Method: **4 1/4" HSA**

DNR Facility Well No. _____ Well Unique Well No. _____ Common Well Name: **MW-4** Final Static Water Level: _____ Feet MSL Surface Elevation: _____ Feet MSL Borehole Diameter: **8.5** inches

Boring Location: State Plane _____ N, _____ E S/C/N Lat _____ Long _____ Local Grid Location (if applicable): _____ Feet N E S W

County: **OZAUKEE** DNR County Code _____ Civil Town/City/or Village: **GRAFTON**

Sample Number	Length Recovered (in.)	Blow Counts	Depth in Ft	LOGGED BY GF PRIOR Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					P 200	ROD/Comments
									Standard Penetration	Moisture Content	Liquid Limit	Plastic Limit			
0929	44	*	0 - 4.5'	CONCRETE PAVEMENT GRAVEL BASE COURSE BLACK SILTY CLAY, LITTLE GRAVEL	FILL			0		M					
0931			4.5' - 5.0'	DENSE, BEN F-M SAND, LITTLE SILT V. STIFF, BRN, MOTTLED SILTY CLAY	SP-5M ML-CL			0	3.5	W/M					
0940	48		5.0' - 8.0'	MED. DENSE, BEN F-M SAND	SP			0	3.0	M					
0943			8.0' - 10.5'	END				0		W					
			10.5' - 15.0'	SET 5' PVC SCREEN TO ~10'											

Auger
REFUSED
AT 10'

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: _____ Firm: _____

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* NO BLOW COUNTS -> USED CONTIN UOST TUBE SAMPLER