# GROUNDWATER INVESTIGATION REPORT
Gladding Cordage Corporation
South Otselic, New York

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## EXHIBITS

1 - USGS Map of the Hamlet of South Otselic

2 - Location Map of the seven (7) Gladding monitoring wells, the Otselic River and Ashbell Brook

3 - Map showing the New York State Department of Health sampling locations

4 - Location Map of Potential TCA Contaminant Sources in South Otselic.

5 - Well Logs for Municipal Wells #s 1 and 2

6 - Exhibit A of the Consent Order between Gladding Cordage Corporation and the New York State Department of Environmental Conservation, showing the location of the 3 initial Gladding monitoring wells

7 - Pertinent H2M test data of Gladding monitoring wells #s 1-3 and DEC results of splits taken from H2M samples

8 - Friend Laboratory sampling of the three (3) original Gladding monitoring wells, Ashbell Brook and the Otselic River

9 - Logs of the borings, description of drilling procedures and monitoring well details for all seven (7) Gladding monitoring wells

10 - Galson Technical Services test report on samples taken from the the seven (7) Gladding monitoring wells on November 5, 1986

11 - Galson Technical Services test report on samples taken from the seven (7) Gladding monitoring wells on December 11, 1986

12 - AM and PM water elevations in December 30, 1986 pump test.

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## I. GROUNDWATER INVESTIGATION

### A. INTRODUCTION

This report presents the results of an investigation of groundwater contamination of principally 1,1,1 trichloroethane ("TCA") in the vicinity of the Gladding Cordage Corporation ("Gladding") plant in South Otselic, New York. The Hamlet is shown on Exhibit 1, which is an enlarged portion of the South Otselic quadrangle, USGS, 7.6 Minute Series Topographic Map. The area of interest is relatively level and is located north and east of the confluence of the Otselic River and Ashbell Brook.

The Hamlet of South Otselic has two publicly owned water wells, located approximately 210 feet southwest of Gladding Street with Well #2 being about 120 feet from the Otselic River. These are shown on the map attached as Exhibit 2, which also shows the location of the monitoring wells installed at the Gladding facility, the Otselic River and Ashbell Brook.

Under normal conditions in the past, Well #2 has pumped on pressure demand at 220 GPM with an average daily pumpage of 100,000 GPD. Well #1 was idle as a standby source.

On June 10, 1986, the New York State Department of Health ("DOH") sampled the two municipal wells. The sampling was conducted after the DOH became aware that the New York State Department of Environmental Conservation ("DEC") and Gladding had agreed in a consent order to install three (3) groundwater monitoring wells. Well #2 was found to contain 48 ug/l TCA and 2 ug/l 1,1-dichloroethane ("DCA").

Subsequent sampling conducted by the DOH on August 14, 1986 showed 52 ug/l TCA and 2 ug/l DCA in well #2. In addition, a private well to the northwest of the well field and a New York State Fish Hatchery well located approximately 1500 feet south of the well field each were found to contain 8 ppb TCA.* The DOH directed the Hamlet to cease use of well #2 and use only water from the presently uncontaminated well #1.** Because of the close proximity of the two wells (60 ft.), the State is concerned that well #1 will also become contaminated.

The Gladding facility is located across Gladding Street (and north) from the well field. Drums contained on the site in 1984 were sampled by the DEC and some were found to contain TCA. TCA was also found in two sediment samples taken from the site, one of which was from a sump on the Gladding Street side of the plant. In addition, DCA was detected in the sump sediment sample. Due to the detection of these chemicals at the site and the possibility that ground water flow may be from the plant site toward the municipal wells under pumping conditions, the DEC considers the Gladding facility to be a potential contaminant source.

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* A copy of the map showing the sampling locations is annexed as Exhibit 3.

** The DOH drinking water guideline is 50 ug/l. The New York State Department of Environmental Conservation ("DEC")'s guidance value for TCA, which is set forth in its TOGS memorandum of July 24, 1985, is also 50 ug/l. However, the EPA's Recommended Maximum Contaminant Level for TCA is 200 ug/l (40 C.F.R. § 141.50(b)).

Other potential sources of TCA contamination in South Otselic are noted on a map attached as Exhibit 4. These sources are described as follows:

Site #1 School bus maintenance garage. TCA was developed as a degreaser for metals and was used extensively to clean metal parts in vehicle repair work. Spills at this site could migrate easterly along Gladding Street towards the Gladding plant site. This is possible due to the influence of Ashbell Brook which enters near this site from the west and discharges into the Otselic River.

Site #2 This is the location of the Town of Otselic Highway Garage. In addition to the possibility of use of TCA as a degreaser, this product has been used as a thinner for asphalt paving products. Spills at this site would very likely migrate southerly in the groundwater along the west side of the Otselic River to the Gladding site.

Site #3 This is the site of an old automobile service station which has been abandoned. The potential use of TCA at this site as a degreaser must be considered.

Site #4 This is the site of an automobile service station that is currently still in business. The same consideration should be given to this site as with site #3. TCA at 8 ppb was found in the Cobb private well located just west of this site.

The purpose of this work was to investigate groundwater conditions and the extent of contamination in order to recommend

remedial action to address the concern over the potential for TCA contamination of municipal well #1.

## B. GEOLOGY OF THE AREA

South Otselic is situated at the junction of Otselic Creek and Ashbell Brook. Water from the area flows southwest through the Otselic Creek valley, which broadens considerably at Cincinnatus, becoming the Otselic River.

Surface features in the area are typical results of glaciation. There are several drumlins in the vicinity, while other landforms, though not drumlin shaped, are generally oriented north-south, indicating glacial deposition.

Soils range from silts and clays to gravel and boulders, with no predictable sequence or stratigraphic continuity. Thus, such glacial deposits often contain pockets of perched water, while percolation rates and static water levels are valid only for small, well-geologically defined areas.

## C. SOILS OF THE SITE

Based on the boring and well logs, the water-bearing soils in the area are dominated by silty gravels and sands of generally "good" permeability. As is discussed in a subsequent

section, however, there appear to be zones of both greatly higher and greatly lower permeability, contributing to a significant amount of channelization.

D. SOUTH OTSELIC MUNICIPAL WATER WORKS SYSTEM

The original water system consisted of a reservoir constructed in the rock gorge east of the Hamlet just north of Parce Mountain. A water transmission main followed the Gorge Road westerly to the Hamlet where it is connected to the distribution system. The distribution system services south along NYS Route 26 to the NYS Fish Hatchery, but does not supply water to the hatchery ponds. The system extends northerly to the center of the community at the junction of NYS Route 26 and Gladding Street. It extends westerly across the Otselic River to Ashbell Brook Bridge with a branch to the north to the school and residences along Maple Street to the hill.

The system services ±80 connections consisting of residential structures, a school, Gladding Cordage Corporation, and a number of commercial establishments throughout the community. This would represent an estimate of ±300 residential users plus school, industry, and commercial establishments. An estimate of consumption of water would be 50,000-55,000 GPD.

Current pumping records indicate water use at or above 100,000 GPD which would suggest considerable leakage within the distribution system. Reportedly, there is a possibility of a

water main leak at the river crossing on DeRuyter (Gladding Street). Mr. Arnold Huntley, the operator of the water system, has indicated that an attempt to repair this leak will be made this spring as soon as possible.

Due to poor water quality resulting from excessive nutrients collecting in the surface reservoir, it was abandoned in 1959 and the 8 inch diameter production Well #1 was installed in 1959. Well #1 is screened and currently delivers sand free water. During the original pumping yield test of Well #1, the well was pumped at rates up to 375 GPM, but the recommended pumping rate is 275 gpm. The well is being pumped currently at the rate of ± 133 gpm and can produce about 180,000 gallons a day.

Well #2, which is a 12 inch well, was installed in 1970. This well was in use until TCA contamination was discovered in the August, 1986 sampling and analysis by the DOH. The well logs for both municipal wells are attached as Exhibit 5 and a map of the water distribution system accompanies this report.

The water system is operated with electric supply and control equipment located in a small building at the Well # 1 site. There is a 200,000 gallon steel storage tank located south of the Gorge Stream and west of Parce Mountain at ±1393 foot elevation which maintains 82 psi at the pumping vault of Well # 1. A surge suppressed pressure switch has been installed in the system, which energizes the pump control circuit at a present pressure drop and shuts off when the line pressure is satisfied.

The operator has to select manually the production well he wishes to have operating. Both wells cannot run at the same time with the current control system. Water from Well # 2 is discharged to the Well # 1 vault into a common main that receives water from both wells. At this point, chlorine is injected and all waters pumped are metered.

## E. PROJECT DATA

### 1. Initial Investigation

The work of collecting groundwater data commenced with the installation of three monitoring wells in accordance with an Order on Consent entered into between Gladding and the DEC on May 19, 1986. Pursuant to the order, the three wells were installed in the locations identified on the map of the Gladding facility attached as Exhibit 6. The drilling and well installation was performed by Parratt-Wolff, Inc. of East Syracuse, New York.

On August 15, 1986, samples from the three monitoring wells were taken by Friend Laboratory and forwarded to H2M Laboratory for analysis. The pertinent portions of the H2M analysis report, dated September 16, 1986, and the results of the DEC splits taken from the H2M samples are attached as Exhibit 7.*

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* Additional testing was conducted by Friend Laboratory of samples from each of the three (3) monitoring wells, Ashbell Brook and the Otselic River (both upstream and downstream of the Gladding facility). The Friend test data is attached as Exhibit 8.

2. Subsequent Remedial Investigation

Because of the finding of on-site contamination of TCA and other volatile contaminants, Gladding agreed to do the following additional work:

(a) Monitoring Wells. Parratt-Wolff installed two additional coupled pairs of monitoring wells, shallow and deep, at locations 4 and 5, noted in the map of the Gladding facility attached as Exhibit 2. The logs of the borings, description of drilling procedures, and monitoring well details for all the Gladding monitoring wells are attached as Exhibit 9.

(b) Sampling and Analyses. Analysis of samples from all seven (7) wells was conducted by Galson Technical Services of East Syracuse, New York. Samples were taken on November 5 and December 11, 1986 and a copy of the Galson test reports are attached as Exhibits 10 and 11, respectively.

(c) Pump Test. A pump test was performed on December 30, 1986 by a team of individuals representing Gary L. Wood, P.E., the DEC and Gladding Cordage Corporation. The test program was started by taking a series of water level readings in all of the wells. At this time, Municipal Well # 2 had not operated for several months, and # 1 had been shut down for approximately eighteen hours to establish "natural" conditions. The initial level readings were made using the same instrument in all seven observation wells. The pump for Municipal Well # 1 was then turned on and the test started at 8:15 a.m.

Readings continued throughout the day, employing three different electronic sensing devices in the seven observation wells, and "bubbler tubes" with air pressure gauges and a pump in the two municipal wells.

It should be noted that, in spite of an attempt to apply correction factors, there appeared to be a noticeable amount of variation between instruments and operators. Also, the reliability of the measurements taken in Municipal Well # 2 came into question, because of an apparent, unrealistically low water elevation and an almost total lack of response to prolonged pumping from nearby (60 feet) Municipal Well # 1.

At the end of the day, after steady conditions had been reached, another round of water elevation readings was taken, again using the same instrument in all seven observation wells. The morning and late afternoon water elevations are presented in the table at Exhibit 12, and data points of drawdown versus the log of time for each of the nine wells are presented in Exhibit 13.

The most significant finding of the pump test is that prolonged pumping resulted in relatively insignificant changes in piezometric levels and gradients within the Gladding property. Because of this, and because no other measuring points indicated a response to the pumping, only the "natural" groundwater levels were used for plotting.

3. SPDES Permit Monitoring Data

In addition to the foregoing information, data from recent SPDES permit sampling at the Gladding facility was also reviewed. Attached as Exhibit 14 is a drainage map of the Gladding facility which identifies the septic tank discharge points covered by SPDES permits. Sampling was conducted in November and December, 1986 and the results follow:

| Parameters (November samples) | Discharge Points (results in ug/l) 003 | 004 | 006 | 007 | 008 |
|---|---|---|---|---|---|
| Trichloroethylene | 1 | 1 | lt* | lt | lt |
| 1,1,1 Trichloroethane | 4 | 40 | 4 | 3 | 1242 |
| Trichlorofluoromethane | lt | lt | lt | lt | lt |
| (December samples) | | | | | |
| 1,1,1 Trichloroethane | ND | 5 | ND | | 467** |
| Trichloroethylene | ND*** | ND | ND | | ND |

(Samples from discharge points 003 and 004 were taken from the septic tank, that is, below the invert, whereas the 006, 007 and 008 samples came from the septic tank effluent).

Due to the high TCA level in the 008 discharge, Gladding, on December 22, 1986, arranged for Friend Laboratory to obtain a sample from the septic tank below the invert. There

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* "lt" means "less than the detection limit."

** Friend Laboratory originally reported December samples as showing no detectable concentrations of TCA. However, by letter dated January 9, 1987, Friend Laboratory advised Art MacNeill that the Friend technician had erred in reading the report over the telephone.

*** "ND" means "Not Detected."

were technical difficulties with the sample and a second sample was taken on January 16, 1987. The results of the second analysis follow:

| | |
|---|---|
| 1,1,1 Trichloroethane | 6680 ug/kg |
| 1,1 Dichloroethane | 3260 " |

4. Municipal Well Sampling

The DOH has also continued to monitor the level of TCA in Municipal Wells #s 1 and 2 and the results from sampling in October of 1986 shows a reduction in TCA contamination in Well #2 from that previously reported:

| | Well #1 | Well #2 |
|---|---|---|
| 1,1,1 Trichloroethane | 1 | 18 |
| 1,1 Dichloroethane | 1t | 1 |

F. GROUNDWATER ANALYSIS

Contours of the natural groundwater table are shown on the map of the Gladding facility attached as Exhibit 15. These contours are based on the observed piezometric levels in the shallow wells, along with the water surface measurements in the two streams.

The area north and east of DeRuyter Street appears to be primarily a recharge zone, that is, water is flowing from the Otselic River into the ground, and a significant component of the groundwater flow is downward. Evidence of recharge is provided

by the sharp upstream bend of the contour (equipotential) lines along the river, by a downward gradient of about .0051 from Well 4S to 4D, and a downward gradient of about .0084 from Well 5S to 5D. The downward gradient appears to decrease with distance away from the plant in a southwesterly direction.

The area south and west of DeRuyter Street, however, appears to be primarily a discharge zone, that is, water is flowing from the ground into the river, and a significant component of the groundwater flow is upward. (It also appears that Ashbell Brook is recharging some water into the ground, but that this water is fairly quickly discharged into the river.) Evidence of discharge is provided by the sharp downstream bend of the equipotential lines along the river. Also, the apparent piezometric head (1206.37) in deep Municipal Well # 1 is substantially greater than that suggested by the groundwater surface contours (about 1205.25) and is, in fact, greater than those throughout most of the plant. One implication of this is that under natural (non-pumping) conditions, it would be virtually impossible for Municipal Well # 1 to be contaminated by a source within the plant property.

## G. CONCLUSIONS

1. Although the computed water elevation in Municipal Well # 2 appears unrealistically low, this deviation can be explained either by an apparent shortening (coiling) of the "bubbler

tube" during its installation or the presence of a low-permeability barrier between the two wells. This second explanation is supported by the absence of contamination in Municipal Well # 1.

2. It appears that there is substantial channelization beneath the area between Ashbell Brook and the Otselic River. This is evidenced by the lack of response in Municipal Well # 2 during the pumping of Municipal Well #1, the apparent difference in static piezometric head and the difference in yield between the two municipal wells when they were initially developed (11 gpm per foot of drawdown in Municipal Well #1 versus 50 gpm per foot of drawdown in Well # 2).

3. Based on the groundwater contours, it appears unlikely that Municipal Well # 2 would have become contaminated under natural (non-pumping) conditions. Under pumping conditions, its contamination probably results largely from channelization.

4. Within the Gladding property, the maximum horizontal hydraulic gradient is about .0083 (under both pumping and non-pumping conditions), and the maximum vertical (downward) hydraulic gradient is about .0126 (under pumping conditions). Therefore, using a range of possible hydraulic conductivity values and an assumed porosity of .35, the following seepage velocities can be computed:

| Hydraulic Conductivity (cm/sec) | Seepage Velocity (feet/day) |
|---|---|
| $10^{-5}$ | .0012 |
| $10^{-4}$ | .012 |
| $10^{-3}$ | .12 |
| $10^{-2}$ | 1.2 |

5. Given the site history and geology, the relatively insignificant effects of pumping on gradients within the Gladding property, and the seepage velocities tabulated above, it now appears that closer estimates of hydraulic conductivity are unnecessary as Municipal Well # 1 appears to be isolated from any potential sources of TCA on the Gladding property.

Furthermore, the groundwater surface contours would predict that contamination which had entered anywhere but in the southeasterly corner of the Gladding property would migrate toward monitoring wells Nos. 4 and 5 under either pumping or non-pumping conditions.

6. The installation of additional monitoring wells is not necessary to implement a remedial program, which will address the concern over TCA contamination. Although additional wells would allow a more precise definition of groundwater surface contours, the overall pattern is already defined and will not change.

7. It should be noted that the contaminants tend to both sink (because of downward gradients and because of their relatively high specific gravities) and decrease in concentration (because of dilution) as they move away from the Gladding plant. This suggests that the remedial effort should be concentrated within the Gladding property, as close as practical to areas on the Gladding site found to have TCA contamination.

8. An examination of the groundwater contours (as well as the laboratory test results) suggests that monitoring wells No. 4S, 4D, 5S, and 5D are ideally positioned to serve as recovery wells. The equipotential contours on Exhibit 15 show that the groundwater flow from virtually all points on the Gladding property is in the direction of monitoring well locations 4 and 5.

The combined yield from the referenced wells may not be great enough to achieve effective cleanup. Therefore, it is suggested that a larger diameter (perhaps on the order of 6 inches) recovery well be installed in the flow path between test well clusters 5 and 4. This well can be terminated in the relatively clean sand and gravel which was encountered between 31 and 35.5 feet in Well No. 4D. Judgment, tempered by the observed characteristics of Municipal Well #1, suggests that such a well will produce a flow on the order of 50 to 100 gpm.

## II. RECOMMENDATIONS

1. Excavate and remove the contents of the septic tank, discharging as outfall No. 008, and decontaminate the tank.

2. Install a recovery well with the necessary treatment appurtenances to address the concern over migration of the plume of TCA contaminated groundwaters toward the municipal wells. It is proposed that a six inch steel casing well be installed to a depth of 36 feet with sufficient galvanized well screen installed to allow a pumping rate of 50-70 gpm. The proposed well will be located near monitoring well # 4 and waters from it would be pumped to a packed tower equipped with a blower producing a counter air flow.

The packed tower shall be constructed of fiber reinforced plastic ("FRP") and be 2.0' diameter and 12.5' high. It will be packed with 2" polypropylene tripack. The air to water ratio shall be 40 (40 CFM air to 1 CFM water) which will reduce the level of contamination up to 99%. Treated waters would then be discharged to the Otselic River.

Information describing the type of equipment required is set forth at Exhibit 16 and the installation of the system from the date of ordering of the equipment is estimated to be three (3) weeks.

3. Pump and monitor the quality of the discharged water until an acceptable level of contamination is reached. Once the level is reached, monitoring should continue on a periodic basis.

Respectfully submitted,

John S. MacNeill, Jr., P.C.

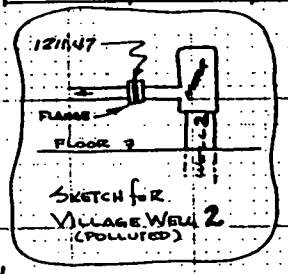
By: _____
Arthur S. MacNeill, P.E.,
Project Manager

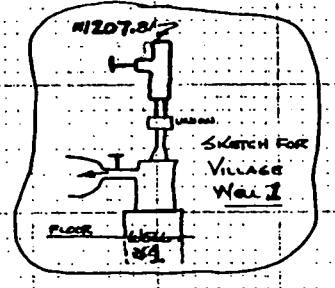
_____
Gary L. Wood, P.E.
Consulting Engineer

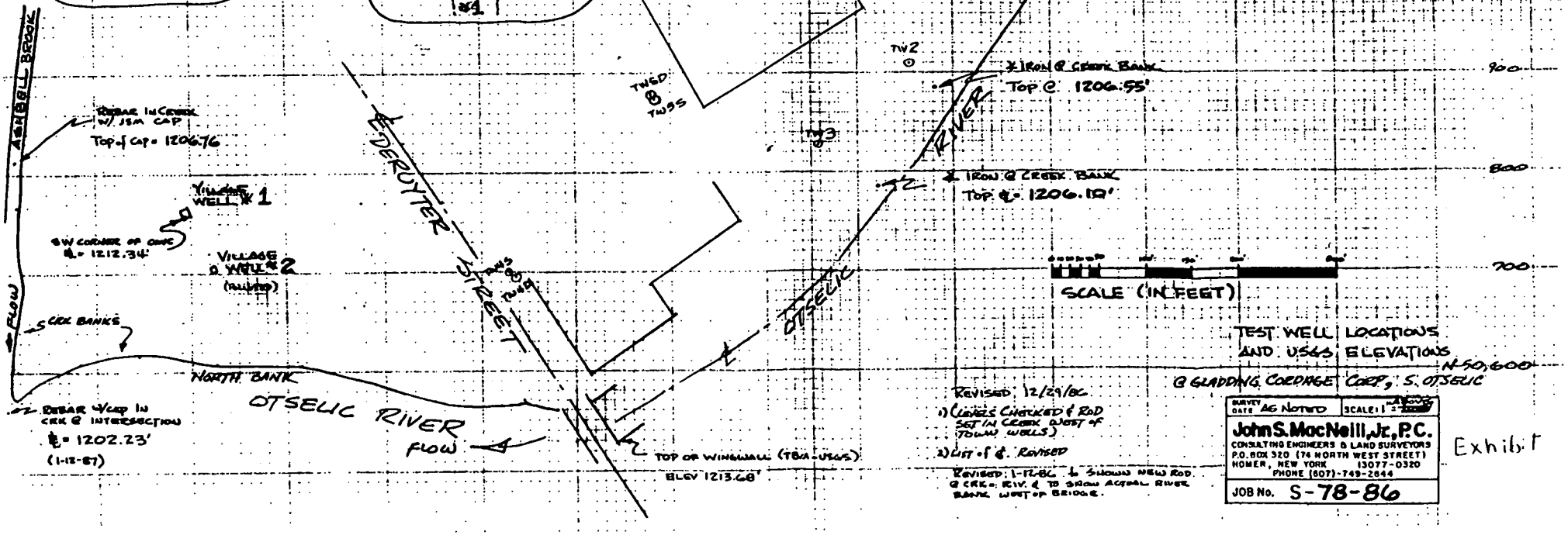
Dated: January 26, 1987


BM 1262
1700
1600
1500
1300
1400
1200
1100
1000
900
800
Otselic
GLADDING CORDAGE SITE
1228
PUBLIC WELL SITE
BM 1224
South Otselic
Fish Hatchery
Peters Mountain
1700
EXHIBIT 1
Waldron Corners
1211
CHARLOTTE

| DATE SET | LOCATION | POINT OF MEASUREMENT | USGS ELEV. |
|---|---|---|---|
| 6-4-86 | TW 1 | TOP OF STEEL CASING | 1213.11 |
| 6-4-86 | TW 2 | " " " | 1212.90 |
| 6-4-86 | TW 3 | " " " | 1213.70 |
| 11-20-86 | TW 4S | " " " | 1212.44 |
| 11-20-86 | TW 4D | " " " | 1212.45 |
| 11-20-86 | TW 5S | " " " | 1212.25 |
| 11-20-86 | TW 5D | TOP OF STEEL CASING | 1212.22 |
| 6-4-86 | ∄ IRON @ 1 | TOP OF ∄ IRON | 1207.42 |
| 6-4-86 | ∄ IRON @ 2 | TOP OF ∄ IRON | 1206.55 |
| 6-4-86 | ∄ IRON @ 3 | TOP OF ∄ IRON | 1206.10 |
| 12-29-86 | ROD @ ARNOLD | TOP OF JSM CAP | 1206.76 |
| 12-29-86 | VILL. WELL 1 | TOP OF VALVE (SKETCH) | 1207.81 |
| 11-20-86 | VILL. WELL 2 | TOP OF FLANGE (SKETCH) | 1211.47 (ADJUSTED) |




TEST WELL LOCATIONS AND USGS ELEVATIONS @ GLADDING CORDAGE CORP., S. OTSELIC

REVISED 12/29/86
1) LINES CHECKED & ROD SET IN CREEK WEST OF TOWN WELLS)
2) LIST of ℄. REVISED

REVISED: 1-12-87 & SHOWN NEW ROD @ CRK = R.W. ℄ TO SHOW ACTUAL RIVER BANK WEST OF BRIDGE.

SURVEY DATE AS NOTED | SCALE: 1" = 100'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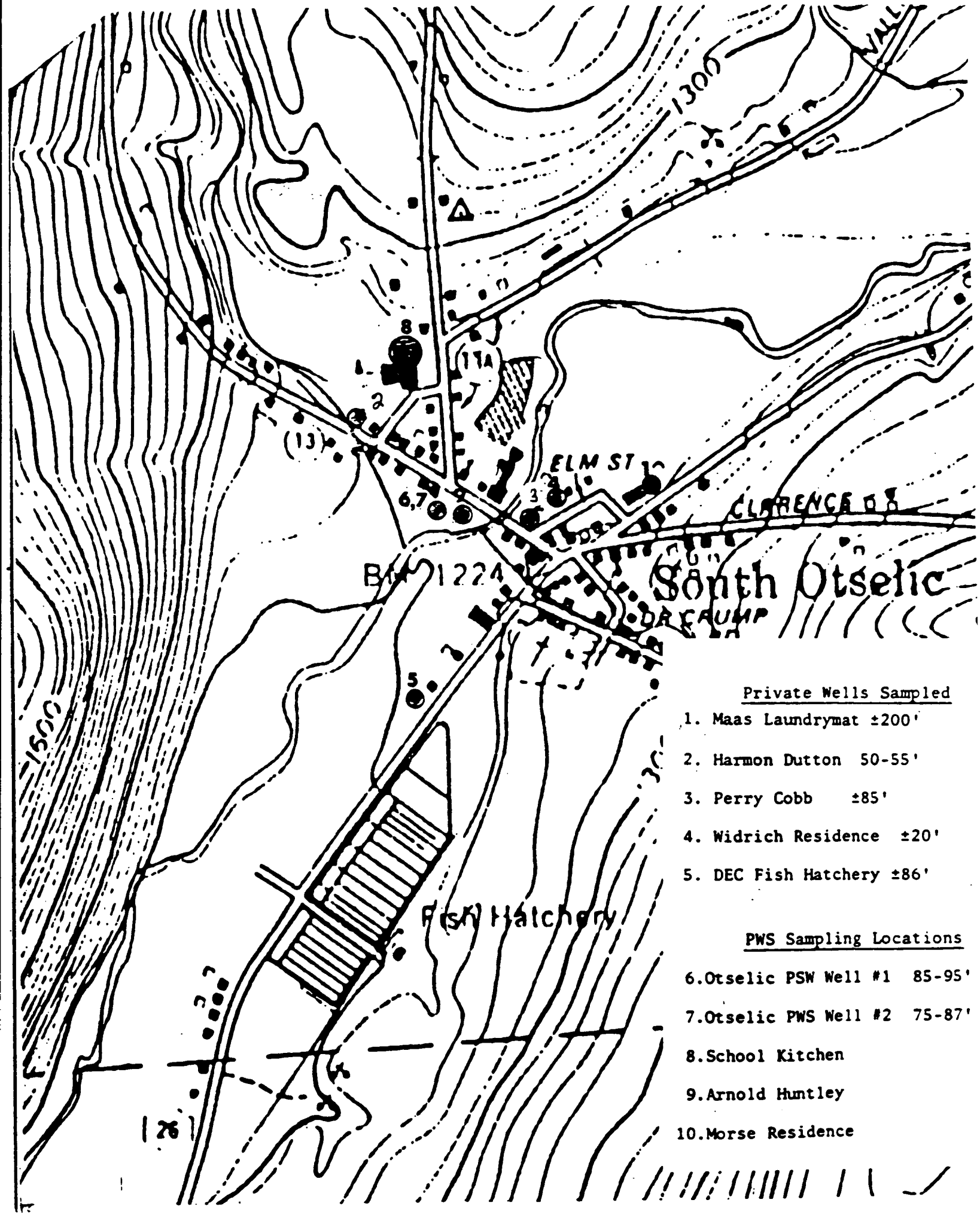
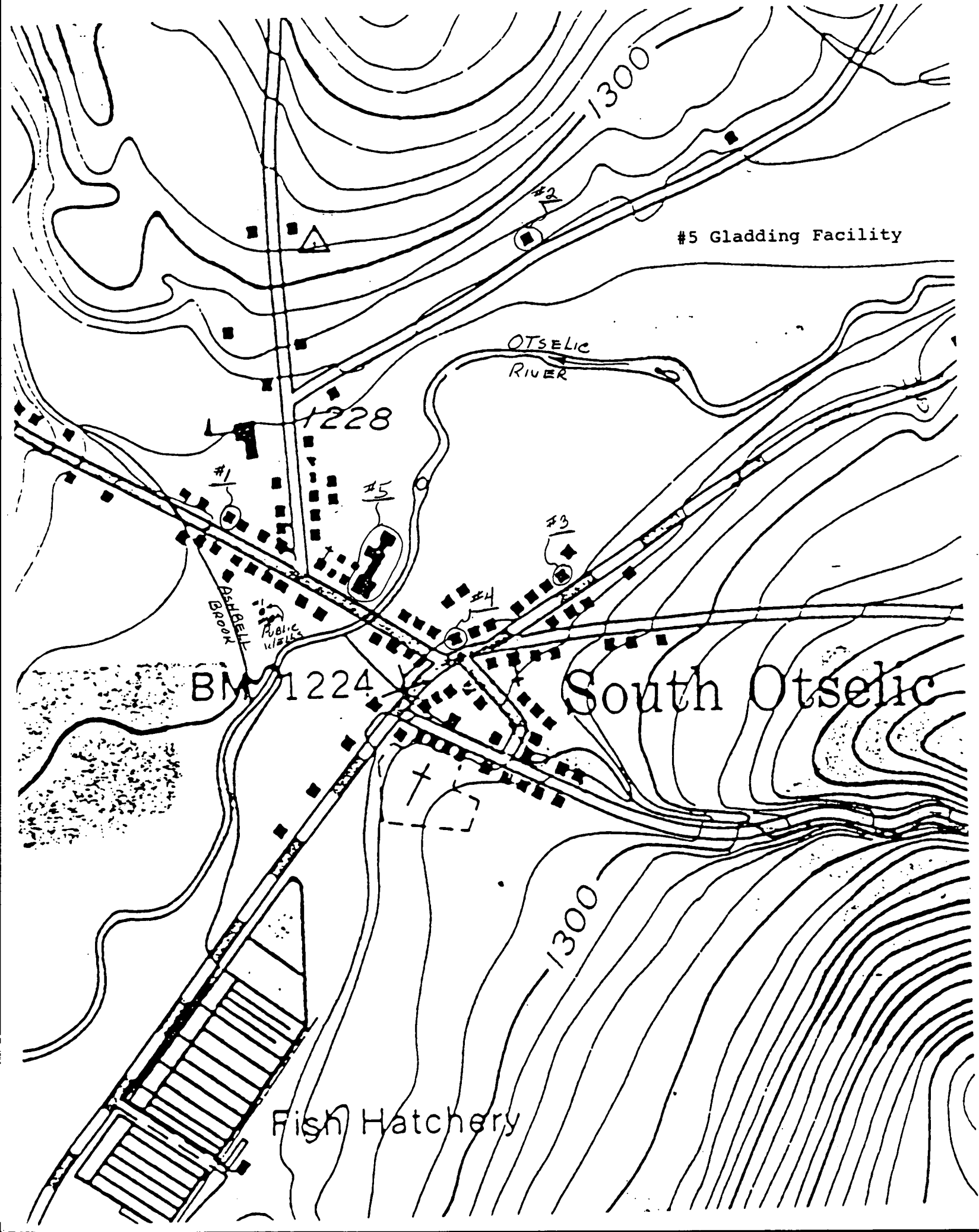
JOB No. S-78-86

Exhibit


1300
ELM ST
CLARENCE
South Otselic
Fish Hatchery
1500
26
Private Wells Sampled
1. Maas Laundrymat ±200'
2. Harmon Dutton 50-55'
3. Perry Cobb ±85'
4. Widrich Residence ±20'
5. DEC Fish Hatchery ±86'
PWS Sampling Locations
6. Otselic PSW Well #1 85-95'
7. Otselic PWS Well #2 75-87'
8. School Kitchen
9. Arnold Huntley
10. Morse Residence


#5 Gladding Facility
1300
#2
OTSELIC
RIVER
1228
#1
#5
#3
#4
ASHBELL
BROOK
PUBLIC
WATER
BM 1224
South Otselic
1300
Fish Hatchery

## South Otselic Water District Production Well #1

### Log

| | |
|---|---|
| 0-55 ft. | Dirty gravel |
| 55-95 | Sand |
| 95 | Gravely clay |

Driller - Randolph Well & Pump Co
Date drilled - 1959
Diameter - 8 inch
Depth - 95 ft.
Screen Location - 85-95 ft.
Slot size - 40-60 slot(?)
Pump Capacity - 150 GPM
Status - Standby

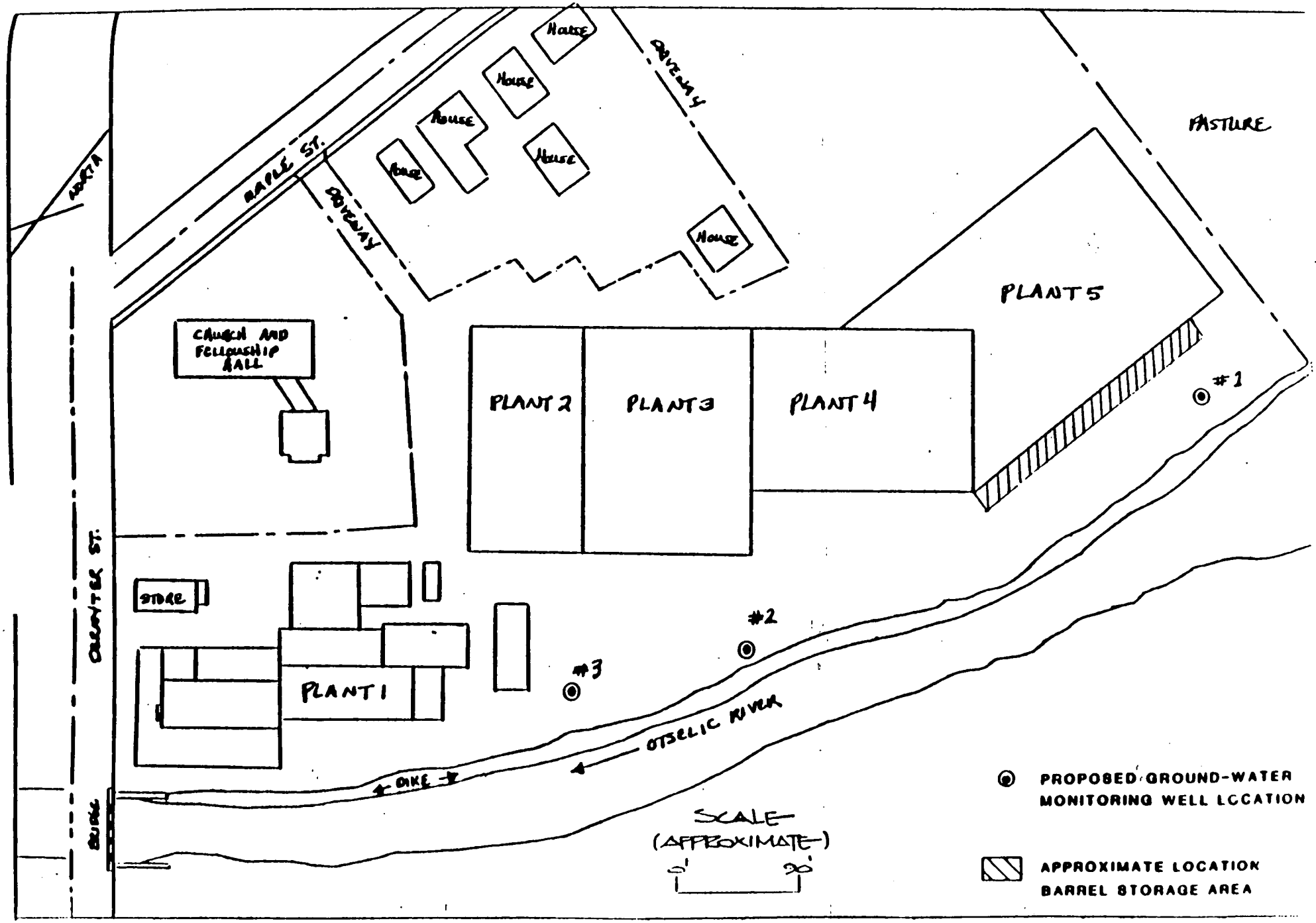
South Otselic Water District Production Well #2
(Log of Test Well #2 - Same Location)

Log (Test Well #2)

| | |
|---|---|
| 5-10 ft. | Gravel and hardpan |
| 10-15 | Fine gravel (water) |
| 15-25 | Fine gravel & sand (water) |
| 25-45 | Fine gravel & hardpan |
| 45-60 | Fine gravel & sand (heaved) |
| 60-65 | Sand |
| 65-70 | Coarse gravel & sand |
| 70-78 | Hardpan and sand (water) |
| 78-86 | Fine gravel (30 GPM) |
| 86-88 | Fine gravel, coarse sand |
| 88-90 | Hardpan and gravel (little water) |
| 90-94 | Fine sand (no water) |
| 94-99 | Fine sand (heaved) |
| 99-109 | Hardpan and gravel (very little water |
| 109 | Shale |

Driller - Randolph Well & Pump Co
Date drilled - 1970
Diameter - Test well- 6 inch,
Production well- 12 inch
Depth - Test well- 109 ft.
Production well- 87 ft.

Screen Location - 75-87 ft.
Slot size - 75-78 ft. - 90 slot
78-81 ft. - 15 slot
81-87 ft. - 70 slot
Pump capacity - >200 GPM
Status - main supply
Static Water Level - 8 ft., 3 in.
Specific Capacity - 50 GPM/Ft.


HOUSE
HOUSE
HOUSE
HOUSE
HOUSE
DRIVEWAY
DRIVEWAY
PASTURE
RAILE ST.
CHURCH AND FELLOWSHIP HALL
PLANT 5
PLANT 2
PLANT 3
PLANT 4
#1
STORE
#2
#3
PLANT 1
OTSELIC RIVER
DIKE
CENTER ST.
SCALE (APPROXIMATE)
0'
20'
PROPOSED GROUND-WATER MONITORING WELL LOCATION
APPROXIMATE LOCATION BARREL STORAGE AREA

H2M

HOLZMACHER, McLENDON and MURRELL, P.C • CONSULTING ENGINEERS, ENVIRONMENTAL SCIENTISTS and PLANNERS

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Organic Form I
Organics Analysis Data Sheet
(Page 1)

Laboratory Name: H2M Corp.
Lab Sample I.D. No. 659397
Sample Matrix: Water
Date Collected: 8/14/86
Sample I.D. No. : MW-1

Case No. _____
QC Report No. PU6293

Date Received: 8/16/86

| Scan No. | Cas Number | | ug/l |
|---|---|---|---|
| | 74-87-3 | Chloromethane | 10U |
| | 74-83-9 | Bromomethane | 10U |
| | 75-01-4 | Vinyl Chloride | 10U |
| 81 | 75-00-3 | Chloroethane | 22 |
| | 75-09-2 | Methylene chloride | 10U |
| | 75-69-4 | Trichlorofluoromethane | 10U |
| | 75-35-4 | 1,1-Dichloroethene | 10U |
| 237 | 75-34-3 | 1,1-Dichloroethane | 27 |
| | 156-60-5 | cis/trans-1,2-Dichloroethene | 10U |
| | 67-66-3 | Chloroform | 10U |
| | 107-06-2 | 1,2-Dichloroethane | 10U |
| 326 | 71-55-6 | 1,1,1-Trichloroethane | 48B |
| | 56-23-5 | Carbon tetrachloride | 10U |
| | 75-27-4 | Bromodichloromethane | 10U |
| | 79-34-5 | 1,1,2,2-Tetrachloroethane | 10U |
| | 70-87-5 | 1,2-Dichloropropane | 10U |
| | 10061-02-6 | trans-1,3-Dichloropropene | 10U |
| | 79-01-6 | Trichloroethene | 10U |
| | 124-48-1 | Dibromochloromethane | 10U |
| | 79-00-5 | 1,1,2-Trichloroethane | 10U |
| 427 | 71-43-2 | Benzene | 22 |
| | 10061-01-5 | cis-1,3-Dichloropropene | 10U |
| | 110-75-8 | 2-Chloroethylvinylether | 10U |
| | 75-25-2 | Bromoform | 10U |
| | 127-10-4 | Tetrachloroethene | 10U |
| | 106-88-3 | Toluene | 10U |
| | 106-90-7 | Chlorobenzene | 10U |
| | 100-41-4 | Ethylbenzene | 10U |
| | 541-73-1 | 1,2-Dichlorobenzene | 10U |
| | 95-50-1 | 1,3-Dichlorobenzene | 10U |
| | 106-46-1 | 1,4-Dichlorobenzene | 10U |

Date Reported: 9/15/86

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S.C. McLendon, P.E.
Laboratory Director

H2M

HOLZMACHER, McLENDON and MURRELL, P.C • CONSULTING ENGINEERS, ENVIRONMENTAL SCIENTISTS and PLANNERS

575 BROAD HOLLOW ROAD, MELVILLE, N.Y. 11747 • 516-694-3040

Friends Laboratory, Inc.
446 Broad Street
Waverly, NY 14892

Organic Form I
Organics Analysis Data Sheet
(Page 1)

Laboratory Name: H2M Corp.
Lab Sample I.D. No. 659398
Sample Matrix: Water
Date Collected: 8/14/86
Sample I.D. No. : MW-2

QC Report No. PU6294

Date Received: 8/16/86

| Scan No. | Cas Number | | ug/l |
|---|---|---|---|
| | 74-87-3 | Chloromethane | 10U |
| | 74-83-9 | Bromomethane | 10U |
| | 75-01-4 | Vinyl Chloride | 10U |
| | 75-00-3 | Chloroethane | 10U |
| 131 | 75-09-2 | Methylene chloride | 2BJ |
| | 75-69-4 | Trichlorofluoromethane | 10U |
| 207 | 75-35-4 | 1,1-Dichloroethene | 5J |
| 240 | 75-34-3 | 1,1-Dichloroethane | 13 |
| | 156-60-5 | cis/trans-1,2-Dichloroethene | 10U |
| | 67-66-3 | Chloroform | 10U |
| | 107-06-2 | 1,2-Dichloroethane | 10U |
| 329 | 71-55-6 | 1,1,1-Trichloroethane | 160B |
| | 56-23-5 | Carbon tetrachloride | 10U |
| | 75-27-4 | Bromodichloromethane | 10U |
| | 79-34-5 | 1,1,2,2-Tetrachloroethane | 10U |
| | 70-87-5 | 1,2-Dichloropropane | 10U |
| | 10061-02-6 | trans-1,3-Dichloropropene | 10U |
| | 79-01-6 | Trichloroethene | 10U |
| | 124-48-1 | Dibromochloromethane | 10U |
| | 79-00-5 | 1,1,2-Trichloroethane | 10U |
| 430 | 71-43-2 | Benzene | 200 |
| | 10061-01-5 | cis-1,3-Dichloropropene | 10U |
| | 110-75-8 | 2-Chloroethylvinylether | 10U |
| | 75-25-2 | Bromoform | 10U |
| | 127-10-4 | Tetrachloroethene | 10U |
| 599 | 106-88-3 | Toluene | 5J |
| | 106-90-7 | Chlorobenzene | 10U |
| | 100-41-4 | Ethylbenzene | 10U |
| | 541-73-1° | 1,2-Dichlorobenzene | 10U |
| | 95-50-1 | 1,3-Dichlorobenzene | 10U |
| | 106-46-1 | 1,4-Dichlorobenzene | 10U |

Date Reported: 9/15/86

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S.C. McLendon, P.E.
Laboratory Director

HOLZMACHER, McLENDON and MURRELL, P.C • CONSULTING ENGINEERS, ENVIRONMENTAL SCIENTISTS and PLANNERS
575 BROAD HOLLOW ROAD, MELVILLE, N.Y. 11747 • 516-694-3040

Friends Laboratory, Inc.
446 Broad Street
Waverly, NY 14892

Organic Form I
Organics Analysis Data Sheet
(Page 1)

Laboratory Name: H2M Corp.
Lab Sample I.D. No. 659399
Sample Matrix: Water
Date Collected: 8/14/86
Sample I.D. No. : MW-3

QC Report No. PU6295

Date Received: 8/16/86

| Scan No. | Cas Number | | ug/l |
|---|---|---|---|
| | 74-87-3 | Chloromethane | 10U |
| | 74-83-9 | Bromomethane | 10U |
| | 75-01-4 | Vinyl Chloride | 10U |
| | 75-00-3 | Chloroethane | 10U |
| 128 | 75-09-2 | Methylene chloride | 17B |
| | 75-69-4 | Trichlorofluoromethane | 10U |
| 203 | 75-35-4 | 1,1-Dichloroethene | 9J |
| 236 | 75-34-3 | 1,1-Dichloroethane | 52 |
| | 156-60-5 | cis/trans-1,2-Dichloroethene | 10U |
| | 67-66-3 | Chloroform | 10U |
| | 107-06-2 | 1,2-Dichloroethane | 10U |
| 326 | 71-55-6 | 1,1,1-Trichloroethane | 700B |
| | 56-23-5 | Carbon tetrachloride | 10U |
| | 75-27-4 | Bromodichloromethane | 10U |
| | 79-34-5 | 1,1,2,2-Tetrachloroethane | 10U |
| | 70-87-5 | 1,2-Dichloropropane | 10U |
| | 10061-02-6 | trans-1,3-Dichloropropene | 10U |
| | 79-01-6 | Trichloroethene | 10U |
| | 124-48-1 | Dibromochloromethane | 10U |
| | 79-00-5 | 1,1,2-Trichloroethane | 10U |
| 427 | 71-43-2 | Benzene | 1J |
| | 10061-01-5 | cis-1,3-Dichloropropene | 10U |
| | 110-75-8 | 2-Chloroethylvinylether | 10U |
| | 75-25-2 | Bromoform | 10U |
| | 127-10-4 | Tetrachloroethene | 10U |
| | 106-88-3 | Toluene | 10U |
| | 106-90-7 | Chlorobenzene | 10U |
| | 100-41-4 | Ethylbenzene | 10U |
| | 541-73-1 | 1,2-Dichlorobenzene | 10U |
| | 95-50-1 | 1,3-Dichlorobenzene | 10U |
| | 106-46-1 | 1,4-Dichlorobenzene | 10U |

Date Reported: 9/15/86

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S.C. McLendon, P.E.
Laboratory Director

MEMORANDUM

January 26, 1987

There follows the DEC results on the splits from the H2M samples. They were forwarded under cover of Attorney Forti's letter of November 10, 1986 in which he commented on the results as follows:

"Enclosed are analytical results from Gladding monitoring wells 1, 2 and 3. These were split samples collected on August 14, 1986 in conjunction with Friend Laboratories and H2M. I need to call your attention to several problems with these results. The Department of Health laboratory reported to us that due to a lab accident, the 40 ml vials could not be analyzed for volatiles. At our request, they subsequently took samples from the quart jars submitted for base-neutral analyses and analyzed those samples for volatiles. It must be noted that the quart jars are not preserved in the manner that volatile vials are and there is air space present. Also, the jars may have been opened previously for base-neutral analyses. These factors need to be considered when evaluating the results.

The methylene chloride values may result from laboratory contamination. The absence of benzene is problematical. Since air space, and thus bacteria, were present in the jars, the benzene may have been removed prior to analysis, or alternatively, the H2M sample results may have been in error and benzene may not be present. Hopefully, the sampling conducted on November 5, 1986 will clarify the matter.

The results appear to confirm the presence of chloroethane in well 1 and the presence of 1,1,1-trichloroethane and 1,1-dichloroethane in all three wells. The results for the latter two chemicals correlate fairly well with the H2M results, considering the problems noted above. The results also confirm that the highest amounts of those two chemicals detected to date are from Well 3."

WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65512 SAMPLE RECEIVED:86/10/22/ CHARGE: 14.00
PROGRAM: 5600:DIVISION OF ENVIRONMENTAL ENFORCEMENT - DEC
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: SOUTH OTSELIC-GLADDING CORDAGE CORP. SEE SAMPLE 64250
DESCRIPTION:MONITORING WELL #1 P-786-D05-01
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 250:GROUND WATER
TIME OF SAMPLING: 86/08/14 11:45 DATE PRINTED:86/10/30

THESE ANALYSES WERE PERFORMED ON ALIQUOTS OF SAMPLES ORIGINALLY SUBMITTED IN QUART BOTTLES. VIALS FOR VOLATILE ORGANIC ANALYSES WERE GENERATED FROM THE QUART BOTTLES ON 10-22-86 AT THE REQUEST OF J. RYAN AND E. PERKINS,NYSDEC.

ANALYSIS: 601 PURGEABLE HALOCARBONS. FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | 2. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | 95. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | 17. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | 19. MCG/L |
| T38609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROFTHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****



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JACK RYAN
NYS DEPT. OF ENVIRONMENTAL CONSERVATION
BUREAU OF TECH. SERVICES AND RESEARCH
50 WOLF RD. ROOM 317
ALBANY, NY 12233

SUBMITTED BY:ED F

SAMPLE ID: 65512 SAMPLE RECEIVED:86/10/22/ CHARGE: 14.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC-GLADDING CORDAGE CORP. SEE SAMPLE 64250
TIME OF SAMPLING: 86/08/14 11:45 DATE PRINTED:86/10/30

| | PARAMETER | RESULT |
|---|---|---|
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/10/29 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

**** END OF REPORT ****

RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65513 SAMPLE RECEIVED:86/10/22/ CHARGE: 14.00
PROGRAM: 5600:DIVISION OF ENVIRONMENTAL ENFORCEMENT - DEC
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: SOUTH OTSELIC-GLADDING CORDAGE CORP. SEE SAMPLE 64251
DESCRIPTION:MONITORING WELL #2 P-786-D05-02
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 250:GROUND WATER
TIME OF SAMPLING: 86/08/14 14:15 DATE PRINTED:86/10/30

THESE ANALYSES WERE PERFORMED ON ALIQUOTS OF SAMPLES ORIGINALLY SUBMITTED IN QUART BOTTLES. VIALS FOR VOLATILE ORGANIC ANALYSES WERE GENERATED FROM THE QUART BOTTLES ON 10-22-86 AT THE REQUEST OF J. RYAN AND E. PERKINS,NYSDEC.

ANALYSIS: 601 PURGEABLE HALOCARBONS. FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | 14. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | 14. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | 200. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****



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JACK RYAN
NYS DEPT. OF ENVIRONMENTAL CONSERVATION
BUREAU OF TECH. SERVICES AND RESEARCH
50 WOLF RD. ROOM 317
ALBANY, NY 12233

SUBMITTED BY:ED PERKINS

SAMPLE ID: 65513 SAMPLE RECEIVED:86/10/22 CHARGE: 14.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC-GLADDING CORDAGE CORP. SEE SAMPLE 64251
TIME OF SAMPLING: 86/08/14 14:15 DATE PRINTED:86/10/30

| | PARAMETER | RESULT |
|---|---|---|
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/10/29 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

**** END OF REPORT ****

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65514 SAMPLE RECEIVED:86/10/22/ CHARGE: 14.00
PROGRAM: 5600:DIVISION OF ENVIRONMENTAL ENFORCEMENT - DEC
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: SOUTH OTSELIC-GLADDING CORDAGE CORP. SEE SAMPLE 64252
DESCRIPTION:MONITORING WELL #2 P-786-D05-03
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 250:GROUND WATER
TIME OF SAMPLING: 86/08/14 16:00 DATE PRINTED:86/10/30

THESE ANALYSES WERE PERFORMED ON ALIQUOTS OF SAMPLES ORIGINALLY SUBMITTED IN QUART BOTTLES. VIALS FOR VOLATILE ORGANIC ANALYSES WERE GENERATED FROM THE QUART BOTTLES ON 10-22-86 AT THE REQUEST OF J. RYAN AND E. PERKINS,NYSDEC.

ANALYSIS: 601 PURGEABLE HALOCARBONS. FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | 2. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | 31. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****

COPIES SENT TO: CO(1), RO(1), LPHE(1), FED(-), INFO-P(-), INFO-L(-)

JACK RYAN
NYS DEPT. OF ENVIRONMENTAL CONSERVATION
BUREAU OF TECH. SERVICES AND RESEARCH
50 WOLF RD. ROOM 317
ALBANY, NY 12233

SUBMITTED BY:ED PERKINS

SAMPLE ID: 65514 SAMPLE RECEIVED:86/10/22/ CHARGE: 14.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC-GLADDING CORDAGE CORP. SEE SAMPLE 64252
TIME OF SAMPLING: 86/08/14 16:00 DATE PRINTED:86/10/30

| | PARAMETER | RESULT |
|---|---|---|
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/10/29 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE-(C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

**** END OF REPORT ****

FRIEND LABORATORY, INC.
446 BROAD STREET, WAVERLY, N.Y. 14892-1445
(607) 565-2893

Oct 20, 1986

LAB SAMPLE ID : 17738

EPA ID :
P.O. # :
Sample site : SAME
Description : MON. WELL #1
Sampled on : 10/02/86 by D&R
Picked up on : 10/02/86 by RPF
Date received : 10/02/86
Analyzed on : 10/07/86 by RJH

Gladding Cordage Corp.
Mike Kellstrand
P.O. Box 164
South Otselic, NY
13155-0164

| Analysis Performed | Result | Units | Method Used |
|---|---|---|---|
| 1,2-Dichloroethane | 1 | ug/L | EPA 601 |
| trans-1,2-Dichloroethene | ND<1 | ug/L | EPA 601 |
| Tetrachloroethene | ND<1 | ug/L | EPA 601 |
| 1,1,1-Trichloroethane | ND<1 | ug/L | EPA 601 |
| Trichloroethene | ND<1 | ug/L | EPA 601 |
| Benzene | 2 | ug/L | EPA 602 |
| Toluene | ND<1 | ug/L | EPA 602 |
| 1,2-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,3-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,4-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| Ethylbenzene | ND<1 | ug/L | EPA 602 |

Approved by : Victoria Everts
Supervisor

UNITS

< = Less Than
> = Greater Than
ND = None detected
ppm = Parts per Million
ppb = Parts per Billion
MPT = Max.Potential Trihalomethanes

ug/L = Micrograms per Liter
mg/L = Milligrams per Liter
ml/L = Millilliters per Liter
mg/m3 = Milligrams per cubic meter
mg/m2 = Milligrams per square meter
uL/L = Microliter per liter

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 4 weeks unless we are advised otherwise.

cc :

FRIEND LABORATORY, INC.
446 BROAD STREET, WAVERLY, N.Y. 14892-1445
(607) 565-2893

Oct 20, 1986

LAB SAMPLE ID : 17739

EPA ID :
P.O. # :
Sample site : SAME
Description : MON. WELL #2
Sampled on : 10/02/86 by D&R
Picked up on : 10/02/86 by RPF
Date received : 10/02/86
Analyzed on : 10/07/86 by RJH

Gladding Cordage Corp.
Mike Kellstrand
P.O. Box 164
South Otselic, NY
13155-0164

| Analysis Performed | Result | Units | Method Used |
|---|---|---|---|
| 1,2-Dichloroethane | ND<1 | ug/L | EPA 601 |
| trans-1,2-Dichloroethene | ND<1 | ug/L | EPA 601 |
| Tetrachloroethene | ND<1 | ug/L | EPA 601 |
| 1,1,1-Trichloroethane | 47 | ug/L | EPA 601 |
| Trichloroethene | <1 | ug/L | EPA 601 |
| Benzene | 3 | ug/L | EPA 602 |
| Toluene | ND<1 | ug/L | EPA 602 |
| 1,2-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,3-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,4-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| Ethylbenzene | ND<1 | ug/L | EPA 602 |

Approved by : Victoria Everetts
Supervisor

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cc :

FRIEND LABORATORY, INC.
446 BROAD STREET, WAVERLY, N.Y. 14892-1445
(607) 565-2893

Oct 20, 1986

LAB SAMPLE ID : 17740

Gladding Cordage Corp.
Mike Kellstrand
P.O. Box 164
South Otselic, NY
13155-0164

EPA ID :
P.O. # :
Sample site : SAME
Description : MON. WELL #3
Sampled on : 10/02/86 by D&R
Picked up on : 10/02/86 by RPF
Date received : 10/02/86
Analyzed on : 10/07/86 by RJH

| Analysis Performed | Result | Units | Method Used |
|---|---|---|---|
| Benzene | 20 | ug/L | EPA 602 |
| Toluene | ND<1 | ug/L | EPA 602 |
| 1,2-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,3-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,4-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| Ethylbenzene | ND<1 | ug/L | EPA 602 |
| 601 Scan | LAB ACCIDENT | | |

Approved by : Victoria Everett
Supervisor

UNITS

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ppb = Parts per Billion
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ug/L = Micrograms per Liter
mg/L = Milligrams per Liter
ml/L = Millliliters per Liter
mg/m3 = Milligrams per cubic meter
mg/m2 = Milligrams per square meter
uL/L = Microliter per liter

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cc :

FRIEND LABORATORY, INC.
446 BROAD STREET, WAVERLY, N.Y. 14892-1445
(607) 565-2893

Oct 20, 1986

LAB SAMPLE ID : 17741

EPA ID :
P.O. # :
Sample site : ASHBELL BROOK
Description : UPSTREAM
Sampled on : 10/02/86 by D&R
Picked up on : 10/02/86 by RPF
Date received : 10/02/86
Analyzed on : 10/06/86 by RJH

Gladding Cordage Corp.
Mike Kellstrand
P.O. Box 164
South Otselic, NY
13155-0164

| Analysis Performed | Result | Units | Method Used |
|---|---|---|---|
| 1,2-Dichloroethane | ND<1 | ug/L | EPA 601 |
| trans-1,2-Dichloroethene | ND<1 | ug/L | EPA 601 |
| Tetrachloroethene | ND<1 | ug/L | EPA 601 |
| 1,1,1-Trichloroethane | ND<1 | ug/L | EPA 601 |
| Trichloroethene | ND<1 | ug/L | EPA 601 |
| Benzene | ND<1 | ug/L | EPA 602 |
| Toluene | ND<1 | ug/L | EPA 602 |
| 1,2-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,3-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,4-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| Ethylbenzene | ND<1 | ug/L | EPA 602 |

Approved by : Victoria Everth
Supervisor

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cc :

FRIEND LABORATORY, INC.
446 BROAD STREET, WAVERLY, N.Y. 14892-1445
(607) 565-2893

Oct 20, 1986

LAB SAMPLE ID : 17742

Gladding Cordage Corp.
Mike Kellstrand
P.O. Box 164
South Otselic, NY
13155-0164

EPA ID :
P.O. # :
Sample site : OTSELIC RIVER
Description : DOWNSTREAM
Sampled on : 10/02/86 by D&R
Picked up on : 10/02/86 by RPF
Date received : 10/02/86
Analyzed on : 10/07/86 by RJH

| Analysis Performed | Result | Units | Method Used |
|---|---|---|---|
| 1,2-Dichloroethane | ND<1 | ug/L | EPA 601 |
| trans-1,2-Dichloroethene | ND<1 | ug/L | EPA 601 |
| Tetrachloroethene | ND<1 | ug/L | EPA 601 |
| 1,1,1-Trichloroethane | ND<1 | ug/L | EPA 601 |
| Trichloroethene | ND<1 | ug/L | EPA 601 |
| Benzene | 31 | ug/L | EPA 602 |
| Toluene | ND<1 | ug/L | EPA 602 |
| 1,2-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,3-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,4-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| Ethylbenzene | ND<1 | ug/L | EPA 602 |

Approved by : Victoria Everitt
Supervisor

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mg/m2 = Milligrams per square meter
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cc :

FRIEND LABORATORY, INC.
446 BROAD STREET, WAVERLY, N.Y. 14892-1445
(607) 565-2893

Oct 20, 1986

LAB SAMPLE ID : 17743

EPA ID :
P.O. # :
Sample site : OTSELIC RIVER
Description : UPSTREAM
Sampled on : 10/02/86 by D&R
Picked up on : 10/02/86 by RPF
Date received : 10/02/86
Analyzed on : 10/07/86 by RJH

Gladding Cordage Corp.
Mike Kellstrand
P.O. Box 164
South Otselic, NY
13155-0164

| Analysis Performed | Result | Units | Method Used |
|---|---|---|---|
| 1,2-Dichloroethane | ND<1 | ug/L | EPA 601 |
| trans-1,2-Dichloroethene | ND<1 | ug/L | EPA 601 |
| Tetrachloroethene | ND<1 | ug/L | EPA 601 |
| 1,1,1-Trichloroethane | ND<1 | ug/L | EPA 601 |
| Trichloroethene | ND<1 | ug/L | EPA 601 |
| Benzene | 8 | ug/L | EPA 602 |
| Toluene | ND<1 | ug/L | EPA 602 |
| 1,2-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,3-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,4-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| Ethylbenzene | ND<1 | ug/L | EPA 602 |

Approved by : Victoria Everett
Supervisor

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cc :

FRIEND LABORATORY, INC.
446 BROAD STREET, WAVERLY, N.Y. 14892-1445
(607) 565-2893

Oct 20, 1986

LAB SAMPLE ID : 17744

Gladding Cordage Corp.
Mike Kellstrand
P.O. Box 164
South Otselic, NY
13155-0164

EPA ID :
P.O. # :
Sample site : SAME
Description : TRIP BLANK
Sampled on : 10/02/86 by D&R
Picked up on : 10/02/86 by RPF
Date received : 10/02/86
Analyzed on : 10/06/86 by RJH

| Analysis Performed | Result | Units | Method Used |
|---|---|---|---|
| 1,2-Dichloroethane | ND<1 | ug/L | EPA 601 |
| trans-1,2-Dichloroethene | ND<1 | ug/L | EPA 601 |
| Tetrachloroethene | ND<1 | ug/L | EPA 601 |
| 1,1,1-Trichloroethane | ND<1 | ug/L | EPA 601 |
| Trichloroethene | ND<1 | ug/L | EPA 601 |
| Benzene | <1 | ug/L | EPA 602 |
| Toluene | ND<1 | ug/L | EPA 602 |
| 1,2-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,3-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| 1,4-Dichlorobenzene | ND<1 | ug/L | EPA 602 |
| Ethylbenzene | ND<1 | ug/L | EPA 602 |

Approved by : Victoria Everett
Supervisor

UNITS

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ml/L = Milliliters per Liter
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mg/m2 = Milligrams per square meter
uL/L = Microliter per liter

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cc :

# BORING NOTES

1. THESE BORINGS WERE MADE IN JUNE AND OCTOBER OF 1986 BY PARRATT-WOLFF Inc., EAST SYRACUSE, N.Y. USING A TRUCK MOUNTED CME - 55 DRILLING RIG. THE HOLES WERE ADVANCED THROUGH THE OVERBURDEN USING A HOLLOW-STEM AUGER CASING. SAMPLES WERE OBTAINED OF THE SOIL BELOW THE CASING USING THE PROCEDURE DESCRIBED IN ASTM D 1586 WHICH IS TITLED "STANDARD METHOD FOR PENETRATION TEST AND SPLIT-BARREL SAMPLING OF SOILS".

2. THE FIELD LOCATIONS OF BORINGS 1, 2, & 3 WERE ESTABLISHED BY THE THIS FIRM AT THE LOCATIONS PRESCRIBED IN THE CONSENT ORDER ISSUED BY NYSDEC. THE REMAINING LOCATIONS WERE SELECTED IN THE FIELD BY A REPRESENTATIVE OF THIS FIRM AND NYSDEC. THE AS-DRILLED LOCATIONS AND ELEVATIONS (TOP OF CASING) WERE DETERMINED AT A A LATER DATE BY A SURVEY CREW FROM MacNEILL ENGINEERING, PC.

3. THE SOIL DESCRIPTIONS SHOWN ON THE LOGS ARE BASED UPON THE DRILLER'S VISUAL EXAMINATION OF THE RECOVERED SOIL SAMPLES.

   THE DEMARCATION BETWEEN STRATA MAY BE MORE GRADUAL AND VARY FROM THE PRECISE DEPTHS INDICATED ON THE LOGS.

4. THE COLUMN HEADINGS ON THE BORING LOGS HAVE THE FOLLOWING MEANINGS:

   N - THE STANDARD PENETRATION RESISTANCE AS DEFINED IN THE STANDARD PROCEDURE (ASTM D-1586). "R" DENOTES MORE THAN 50 BLOWS PER .5 FT.

   MOISTURE CONDITION - THE APPARENT MOISTURE BASED ON VISUAL EXAMINATION OF THE SAMPLES AND DESCRIBED AS FOLLOWS:

   - DRY - NO APPARENT MOISTURE
   - DMP - SUFFICIENT MOISTURE TO BE DETECTABLE
   - MST - NEAR OPTIMUM MOISTURE CONTENT
   - WET - OVER OPTIMUM MOISTURE CONTENT
   - SAT - SATURATED AS EVIDENCED BY FREE WATER IN THE JAR

   COLOR - THE PREDOMINANT COLOR OF THE RECOVERED SAMPLE IN ITS NATURAL MOISTURE CONDITION.

5. GROUND WATER OBSERVATION WELLS WERE INSTALLED IN ALL BORINGS, AND THE DETAILS ARE PRESENTED ON A SKETCH WHICH FOLLOWS THE LAST LOG. THESE WELLS WERE DEVELOPED LATER BY AIR SURGING.

# SUBSURFACE LOG

Gary L. Wood, Consulting Engineer
Dryden, NY 13053

Gladding Cordage Corporation
Boring Number: 1

2 June 1986

GROUND SURFACE
ELEVATION = not determined

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 1 | | | | | |
| | 1 | 6 | moist | brown | moist, brown/gray fine to coarse GRAVEL, some fine to coarse sand, little |
| 2.5 | | | | | |
| 4 | | | | | SILT, little fine sand, trace clay |
| 5 | | | | | |
| | 2 | 8 | wet | brown/ gray | fine to medium GRAVEL, little fine to coarse sand, trace silt |
| 6.5 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| | 3 | 21 | moist | brown | 10.5 fine to medium Gravel, little silt, trace clay |
| 11.5 | | | | | |
| 12 | | | | | |

Boring terminated at 12.0 feet

# SUBSURFACE LOG

Gary L. Wood, Consulting Engineer
Dryden, NY 13053

Gladding Cordage Corporation
Boring Number: 2

3 June 1986

GROUND SURFACE
ELEVATION = not determined

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 1 | | | | | dry brown fine to coarse GRAVEL, little fine to coarse sand and silt |
| | 1 | 6 | moist | brown | |
| 2.5 | | | | | |
| 1.5 | | | | | SILT, little fine sand |
| 3.5 | | | | | |
| 4 | | | | | |
| 5 | | | | | fine to coarse GRAVEL, little fine to coarse sand, trace silt and clay |
| | 2 | 13 | moist/ wet | brown | |
| 6.5 | | | | | |
| 8 | | | | | (becomes wet @ 5.5 feet) |
| 10 | | | | | |
| | 3 | 35 | wet | brown | |
| 11.5 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| | 4 | 30 | moist | brown | fine to medium GRAVEL, little fine to coarse sand, little clay, trace silt |
| 16.5 | | | | | |
| 17 | | | | | |

Boring terminated at 17.0'
NOTE: driller noted 1.0' of sand in augers after taking Sample 3

# SUBSURFACE LOG

Gary L. Wood, Consulting Engineer
Dryden, NY 13053

Gladding Cordage Corporation
Boring Number: 3

3 June 1986

GROUND SURFACE
ELEVATION = not determined

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 1 | | | | | |
| | 1 | 5 | moist | brown/ black | fine to coarse SAND, little silt little brick |
| 2.5 | | | | | |
| 4 | | | | | |
| 5 | | | | | CLAY, little f. sand & silt |
| | 2 | 8 | moist | brown | 6.0' |
| 6.5 | | | | | fine to medium GRAVEL, little clay, trace fine to coarse sand |
| 8 | | | | | |
| 10 | | | | | |
| | 3 | 13 | wet | brown | |
| 11.5 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 15 | | | | | |
| | 4 | 39 | dry/ moist | brown | |
| 17.0 | | | | | |

Boring terminated at 17.0 feet

# SUBSURFACE LOG

Gary L. Wood, Consulting Engineer
Dryden, NY 13053

Gladding Cordage Corporation
Boring Number: 4D

21 October 1986

GROUND SURFACE
ELEVATION = not determined

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | no surface sample requested |
| 2 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| | 1 | 14 | moist | brown | SILT and fine to medium GRAVEL, trace sand |
| 6.5 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| | 2 | 15 | wet | brown | SILT & fine to medium GRAVEL, trace fine sand |
| 11.5 | | | | | |
| 12 | | | | | 12.5' |
| 14 | | | | | |
| 15 | | | | | |
| | 3 | 42 | moist | brown | SILT and rock fragments, trace sand, clay |
| 16.5 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| | 4 | 12 | wet | brown | |
| 21.5 | | | | | |
| 24 | | | | | |
| 25 | | | | | |
| | 5 | 11 | wet | brown | SILT and fine to medium GRAVEL, trace medium sand |
| 26.5 | | | | | |
| 28 | | | | | |
| 30 | | | | | |
| | 6 | 12 | wet | brown | 31 fine to medium GRAVEL and SAND, trace silt |
| 31.5 | | | | | |
| 32 | | | | | |

Boring Number 4D continued

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 34 | | | | | |
| 35 | | | | | 35.5 |
| | 7 | 20 | wet | brown | fine to medium GRAVEL, some silt, sand, trace clay |
| 36.5 | | | | | |
| 38 | | | | | |
| 40 | | | | | |
| | 8 | 22 | wet | brown | |
| 41.5 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 46 | | | | | |
| 48 | | | | | |
| 50 | | | | | 51 |
| | 9 | 10 | wet | gray | SILT, trace fine sand |
| 51.5 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 56 | | | | | |
| 58 | | | | | 58.5' |
| 60 | | | | | |
| | 10 | 35 | wet | gray | fine to medium GRAVEL, some medium sand, little coarse gravel and rock fragments, trace silt and clay |
| 61.5 | | | | | |
| 62 | | | | | |
| 64 | | | | | |
| 66 | | | | | |
| 68 | | | | | |
| 70 | | | | | 71 |
| | 11 | 32 | moist | gray | fine GRAVEL and medium SAND, trace shale fragments, silt |
| 71.5 | | | | | |
| 72 | | | | | |
| 74 | | | | | |
| 75 | | | | | 75.5' |
| | 12 | 37 | moist | grayish brown | medium GRAVEL, shale fragments, little sand, trace silt and clay |
| 76.5 | | | | | |

Boring terminated at 76.5 feet

# SUBSURFACE LOG

Gary L. Wood, Consulting Engineer
Dryden, NY 13053

Gladding Cordage Corporation
Boring Number: 4S

23 October 1986

GROUND SURFACE
ELEVATION = not determined

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 2 | | | | | augered to 20.0 feet without sampling for well installation |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |

# SUBSURFACE LOG

Gary L. Wood, Consulting Engineer
Dryden, NY 13053

Gladding Cordage Corporation
Boring Number: SD

24 October 1986

GROUND SURFACE
ELEVATION = not determined

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 2 | | | | | augered to 25 feet no sample required |
| 4 | | | | | |
| 6 | | | | | |
| 8 | | | | | |
| 10 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 16 | | | | | |
| 18 | | | | | |
| 20 | | | | | |
| 22 | | | | | |
| 24 | | | | | |
| 25 | 1 | 28 | wet | brown | SILT, some clay and fine to medium gravel |
| 26.5 | | | | | |
| 28 | | | | | |
| 30 | 2 | 11 | wet | brown | fine to medium SAND, silt |
| 31.5 | | | | | |
| 32 | | | | | |
| 34 | | | | | |
| 35 | 3 | 21 | wet | brown | SILT and fine SAND |
| 36.5 | | | | | |
| 38 | | | | | |

Boring Number 5D continued

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| 40 | | | | | |
| | 4 | 14 | wet | brown | |
| 41.5 | | | | | |
| 42 | | | | | |
| 44 | | | | | |
| 45 | | | | | |
| | 5 | 17 | wet | brown | SAND, some silt |
| 46.5 | | | | | |
| 48 | | | | | |
| 50 | | | | | |
| | 6 | 14 | wet | brown | |
| 51.5 | | | | | |
| 52 | | | | | |
| 54 | | | | | |
| 55 | | | | | |
| | 7 | 26 | wet | brown | SILT, with fine and coarse gravel |
| 56.5 | | | | | |
| 58 | | | | | |
| 60 | | | | | |
| | 8 | 16 | wet | brown | SILT & coarse SAND |
| 61.5 | | | | | |
| 62 | | | | | |
| 64 | | | | | |
| 65 | | | | | |
| | 9 | 16 | wet | brown | fine SAND and SILT |
| 66.5 | | | | | |
| 68 | | | | | |
| 70 | | | | | |
| | 10 | 38 | wet | brown | SILT, fine gravel |
| 71.5 | | | | | |

Boring terminated at 71.5 feet
NOTE: driller noted 3.5' of sand in augers after taking Sample 6 and 5.0' of sand in augers after taking Sample 8

# SUBSURFACE LOG

Gary L. Wood, Consulting Engineer
Dryden, NY 13053

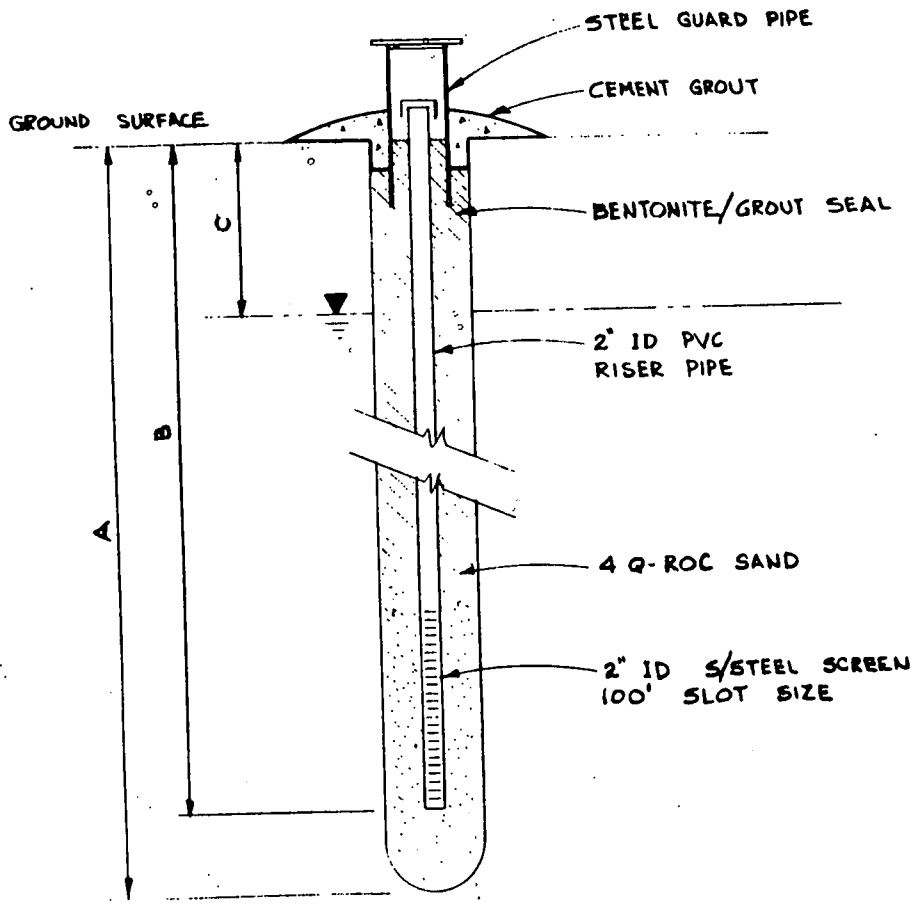
Gladding Cordage Corporation
Boring Number: SS

23 October 1986

GROUND SURFACE
ELEVATION = not determined

| DEPTH (ft) | SAMPLE | "N" | MOISTURE | COLOR | DESCRIPTION |
|---|---|---|---|---|---|
| | | | | | no sample required |
| 2 | | | | | |
| 4 | | | | | |
| 5 | 1 | 18 | moist | brown | SILT and fine GRAVEL |
| 6.5 | | | | | |
| 8 | | | | | |
| 10 | 2 | R* | wet | brown | 10.5 SILT with shale fragments |
| 11.5 | | | | | |
| 12 | | | | | |
| 14 | | | | | |
| 15 | 3 | 64 | wet | lt brn | coarse GRAVEL and SILT |
| 16.5 | | | | | |
| 18 | | | | | |
| 20 | 4 | 35 | wet | brown | SILT and fine to medium GRAVEL |
| 21.5 | | | | | |

Boring terminated at 21.5 feet
* 50 blows for final .1 foot




| WELL NO. | DIMENSIONS A | B | C | TOP OF CASING ELEVATION | |
|---|---|---|---|---|---|
| 1. | 12.0 | 11.7 | 4.5 | 1213.11 | |
| 2. | 15.0 | 14.0 | 5.5 | 1212.90 | |
| 3. | 15.0 | 15.0 | 7.0 | 1213.70 | |
| 4S | 20.0 | 18.0 | N/D | 1212.44 | |
| 4D | 76.5 | 70.0 | 10± | 1212.45 | |
| 5S | 20.0 | 20.0 | 9± | 1212.25 | |
| 5D | 70.0 | 70.0 | 9± | 1212.22 | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

GARY L. WOOD, P.E.
8539 Sugarbush Lane
Dryden, N.Y. 13053
Practicing Soils, Foundations, and Construction Materials Engineering

PROJECT: Hydrogeologic Investigation
MUNICIPALITY: South Otselic, N.Y.
COORDINATES:
OWNER: Gladding Cordage Corp
CLIENT:
TITLE: Observation Wells
SHEET: 1/1
drawn by: BLB
checked by:
date: 2 J. 81

Galson
Technical Services, Inc.

6601 Kirkville Road
Post Office Box 546
E. Syracuse, N.Y. 13057
Tel: (315) 432-0506

Environmental Sciences
Division

November 13, 1986

Mr. Michael Kelstrand
Gladding Cordage Company
P.O. Box 165
South Otselic, NY 13155

RE: GALSON PROJECT NO. G7266

Dear Mr. Kelstrand:

Enclosed is the report of the analysis of the well samples collected by Tom Biel on November 5, 1986, in South Otselic. All wells were bailed before samples were taken. A copy of Tom Biel's field notes is attached.

If you have any questions, please contact me.

Sincerely,

GALSON TECHNICAL SERVICES, INC.

Eva Galson

Eva Galson, CIH
Laboratory Director

EG/lar

Attachments

cc: Barry Kogut, Bond, Schoeneck & King

Galson
Technical Services, Inc.
6601 Kirkville Road
Post Office Box 546
E. Syracuse, N.Y. 13057
Tel: (315) 432-0506

# LABORATORY ANALYSIS REPORT

Client: GLADDING CORDAGE CO. Job Number: G7266
Task Number: 86110716
Location: SOUTH OTSELIC,NY Date Sampled: NS

| | | Lab ID: D26000A+B | D26001A+B | D26002A+B | D26003A+B |
|---|---|---|---|---|---|
| | | Client ID: WELL#1 | WELL#2 | WELL#3 | WELL 4S(WEST) |
| Chloromethane | µg/l | <1 | <1 | <1 | <1 |
| Bromomethane | µg/l | <1 | <1 | <1 | <1 |
| Vinyl Chloride | µg/l | <1 | <1 | <1 | <1 |
| Chloroethane | µg/l | <1 | <1 | <1 | <1 |
| Methylene Chloride | µg/l | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | µg/l | <1 | <1 | 3 | <1 |
| 1,1-Dichloroethane | µg/l | 4 | 2 | 27 | 10 |
| t-1,2-Dichloroethene | µg/l | <1 | <1 | <1 | <1 |
| Chloroform | µg/l | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | µg/l | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | µg/l | 5 | 37 | 263 | 178 |
| Carbon Tetrachloride | µg/l | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | µg/l | <1 | <1 | <1 | <1 |
| Bromodichloromethane | µg/l | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | µg/l | <1 | <1 | <1 | <1 |
| t-1,3-Dichloropropene | µg/l | <1 | <1 | <1 | <1 |
| Trichloroethene | µg/l | <1 | <1 | <1 | <1 |
| Dibromochloromethane | µg/l | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | µg/l | <1 | <1 | <1 | <1 |
| c-1,3-Dichloropropene | µg/l | <1 | <1 | <1 | <1 |
| 2-Chloroethylvinyl ether | µg/l | <10 | <10 | <10 | <10 |
| Bromoform | µg/l | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | µg/l | <1 | <1 | <1 | <1 |
| Tetrachloroethene | µg/l | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | µg/l | <1 | <1 | <1 | <1 |
| Chlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | µg/l | <1 | <1 | <1 | <1 |

Method(s): EPA 601
Footnotes:

Submitted by: S'A
Approved by: Eric Nolan
Date: 13-NOV-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
µg - Micrograms
NG - Nanograms

Galson
Technical Services, Inc.
6601 Kirkville Road
Post Office Box 546
E. Syracuse, N.Y. 13057
Tel: (315) 432-0506

LABORATORY ANALYSIS REPORT

Client: GLADDING CORDAGE CO. Job Number: G7266
Task Number: 86110716
Location: SOUTH OTSELIC,NY Date Sampled: NS

| | | Lab ID: | D26004A+B | D26005A+B | D26006A+B | D26006BL |
|---|---|---|---|---|---|---|
| | | Client ID: | WELL 4D(EAST) | WELL 5S(EAST) | WELL 5D(WEST) | IN HOUSE BLANK |
| Chloromethane | µg/l | | <1 | <1 | <1 | <1 |
| Bromomethane | µg/l | | <1 | <1 | <1 | <1 |
| Vinyl Chloride | µg/l | | <1 | <1 | <1 | <1 |
| Chloroethane | µg/l | | <1 | <1 | <1 | <1 |
| Methylene Chloride | µg/l | | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | µg/l | | <1 | 5 | <1 | <1 |
| 1,1-Dichloroethane | µg/l | | <1 | 75 | <1 | <1 |
| t-1,2-Dichloroethene | µg/l | | <1 | <1 | <1 | <1 |
| Chloroform | µg/l | | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | µg/l | | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | µg/l | | 11 | 340 | 186 | <1 |
| Carbon Tetrachloride | µg/l | | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | µg/l | | <1 | <1 | <1 | <1 |
| Bromodichloromethane | µg/l | | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | µg/l | | <1 | <1 | <1 | <1 |
| t-1,3-Dichloropropene | µg/l | | <1 | <1 | <1 | <1 |
| Trichloroethene | µg/l | | <1 | <1 | <1 | <1 |
| Dibromochloromethane | µg/l | | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | µg/l | | <1 | <1 | <1 | <1 |
| c-1,3-Dichloropropene | µg/l | | <1 | <1 | <1 | <1 |
| 2-Chloroethylvinyl ether | µg/l | | <10 | <10 | <10 | <10 |
| Bromoform | µg/l | | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | µg/l | | <1 | <1 | <1 | <1 |
| Tetrachloroethene | µg/l | | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | µg/l | | <1 | 4 | <1 | <1 |
| Chlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |

Method(s): EPA 601
Footnotes:

Submitted by: SA
Approved by: Ernie Molina
Date: 13-NOV-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
µg - Micrograms
NG - Nanograms

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# LABORATORY ANALYSIS REPORT

Client: GLADDING CORDAGE CO. Job Number: G7266
Task Number: 86110716
Location: SOUTH OTSELIC,NY Date Sampled: NS

| | Lab ID: | D26000A+B | D26001A+B | D26002A+B | D26003A+B |
|---|---|---|---|---|---|
| | Client ID: | WELL#1 | WELL#2 | WELL#3 | WELL 4S(WEST) |
| Benzene | µg/l | <1 | <1 | <1 | <1 |
| Bromobenzene | µg/l | <1 | <1 | <1 | <1 |
| n-Butylbenzene | µg/l | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | µg/l | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | µg/l | <1 | <1 | <1 | <1 |
| Chlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | µg/l | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | µg/l | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| Ethylbenzene | µg/l | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | µg/l | <1 | <1 | <1 | <1 |
| Isopropylbenzene | µg/l | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | µg/l | <1 | <1 | <1 | <1 |
| Naphthalene | µg/l | <1 | <1 | <1 | <1 |
| n-Propylbenzene | µg/l | <1 | <1 | <1 | <1 |
| Styrene | µg/l | <1 | <1 | <1 | <1 |
| Tetrachloroethene | µg/l | <1 | <1 | <1 | <1 |
| Toluene | µg/l | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | µg/l | <1 | <1 | <1 | <1 |
| Trichloroethene | µg/l | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | µg/l | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | µg/l | <1 | <1 | <1 | <1 |
| o-Xylene | µg/l | <1 | <1 | <1 | <1 |
| m-Xylene | µg/l | <1 | <1 | <1 | <1 |
| p-Xylene | µg/l | <1 | <1 | <1 | <1 |

Method(s): EPA 503
Footnotes:

Submitted by: SA
Approved by:
Date: 13-NOV-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
µg - Micrograms
NG - Nanograms

Galson
Technical Services, Inc.
6601 Kirkville Road
Post Office Box 546
E. Syracuse, N.Y. 13057
Tel. (315) 432-0506

# LABORATORY ANALYSIS REPORT

Client: GLADDING CORDAGE CO. Job Number: G7266
Task Number: 86110716
Location: SOUTH OTISELIC,NY Date Sampled: NS

| | | Lab ID: | D26004A+B | D26005A+B | D26006A+B | D26006BL |
|---|---|---|---|---|---|---|
| | | Client ID: | WELL 4D(EAST) | WELL 5S(EAST) | WELL 5D(WEST) | IN HOUSE BLANK |
| Benzene | µg/l | | <1 | <1 | <1 | <1 |
| Bromobenzene | µg/l | | <1 | <1 | <1 | <1 |
| n-Butylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| Chlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | µg/l | | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | µg/l | | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| Ethylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | µg/l | | <1 | <1 | <1 | <1 |
| Isopropylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | µg/l | | <1 | <1 | <1 | <1 |
| Naphthalene | µg/l | | <1 | <1 | <1 | <1 |
| n-Propylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| Styrene | µg/l | | <1 | <1 | <1 | <1 |
| Tetrachloroethene | µg/l | | <1 | <1 | <1 | <1 |
| Toluene | µg/l | | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | µg/l | | <1 | <1 | <1 | <1 |
| Trichloroethene | µg/l | | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | µg/l | | <1 | <1 | <1 | <1 |
| o-Xylene | µg/l | | <1 | <1 | <1 | <1 |
| m-Xylene | µg/l | | <1 | <1 | <1 | <1 |
| p-Xylene | µg/l | | <1 | <1 | <1 | <1 |

Method(s): EPA 503
Footnotes:

Submitted by: SA
Approved by: Erica Mahar
Date: 13-NOV-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
µg - Micrograms
NG - Nanograms

Galson
Technical Services, Inc.
6601 Kirkville Road
Post Office Box 546
E. Syracuse, N.Y. 13057
Tel (315) 432-0506

# CHAIN OF CUSTODY FORM

SOURCE: GLADDING CORDAGE CO.

SAMPLERS (Signatures)

| Test # | Test Description | Date | Time | Sample Type | GTS No. | Other (1) | No. of Containers | Analysis Required |
|---|---|---|---|---|---|---|---|---|
| (1) | WELL #1 | 11-5-86 | 11:00 AM TO 3:30 PM | WATER | | | 2 | 601 SCAN 503 SCAN |
| (2) | WELL #2 | | | | | | | |
| (3) | WELL #3 | | | | | | | |
| (4) | WELL 4S(WEST) | | | | | | | |
| (5) | WELL 4D(EAST) | | | | | | | |
| (6) | WELL 5S(EAST) | | | | | | | |
| (7) | WELL 5D(WEST) | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | | |
|---|---|---|
| Relinquished By (Signature): Thomas J. Brel | Received By (Signature): T.J. Curtis | Date/Time 11-5-86 5PM |
| Relinquished By (Signature): T. Curtis | Received By (Signature): Syed Barkat Alam | Date/Time 11/6/86 5:00 P.M. |
| Relinquished By (Signature): | Received By (Signature): | Date/Time |
| Relinquished By (Signature): | Received by Mobile Laboratory for Field Analysis (Signature): | Date/Time |

| | | | |
|---|---|---|---|
| Dispatched By (Signature): | Date/Time | Received for Laboratory By: | Date/Time |

Method of Shipment:

11-5-86

GLADDING LONDAGE
SOUTH OTSELIC, N.Y.

WEATHER - COLD, SNOW, CLOUDY, 33°F

ARRIVED AT THE FACTORY 9:45 AM
MET MR. ARTHUR MCNEIL AND MICHAEL KELLSTRAND AT FACTORY OFFICE, GEORGE MUMBERTRUCK - DEC

MR. MCNEIL SHOWED ME THE WELL LOCATIONS. I BEGAN BAILING THE WELLS AND SAMPLING WITH A DEC REPRESENTATIVE PRESENT, WHO COLLECTED SPLIT SAMPLES FOR THE DEC AND N.Y.S. DEPT. OF HEALTH, AT WELL SETS 4 AND 5.

WELL #1

TD 13' BAILED 15X W/ 3' BAILER
WL 4' WATER SILTY NO ODOR

WELL #4D (DEEP) EAST (DEC + NYSDOH SPLIT)

TD 76.6' BAILED 40X
WL 8' WATER SLIGHTLY SILTY NO ODOR

WELL #4S (SHALLOW) WEST (DEC + NYSDOH SPLIT)

TD 20.3', BAILED 63X
WL 9.08' WATER TURBID NO ODOR

CASING 2.3'

WELL 5D (WEST) (DEC + NYSDOH SPLIT)

TD 73.6' BAILED ~~15X~~ 63X
WL 8.8' WATER SILTY NO ODOR

WELL 5S (EAST) (DEC + NYSDOH SPLIT)
TD. 22.7' BAILED 18X
WL 8.8' SLIGHTLY SILTY NO ODOR

WELL #2

TD 17.08'
WL 8.08'
CASING 2.16'

BAILED 21X

WATER SILTY NO ODOR

WELL #3 BAILED 15X

~~FDG~~
TD 18.08'
WL 9.25'

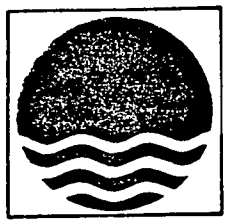
WATER SILTY NO ODOR

SAMPLING FINISHED AT 3:30 PM

TOTAL TIME 10 HOURS
TOTAL MILEAGE 116
EXPENSES 15.31

Galson
Technical Services, Inc.

6601 Kirkville Road
Post Office Box 546
E Syracuse N Y 13057
Tel (315) 432-0506



Environmental Sciences
Division

December 22, 1986

Mr. Michael Kelstrand
Gladding Cordage Company
P.O. Box 165
South Otselic, NY 13155

RE: GTS #G7266

Dear Mr. Kelstrand:

Enclosed are the results of the analyses performed on the samples collected by Tom Biel on December 11, 1986, in South Otselic.

All wells were bailed before samples were taken. Copies of the field data sheets are enclosed.

If you have any questions concerning our results, please feel free to contact me.

Sincerely,

GALSON TECHNICAL SERVICES, INC.

Eva Galson, CIH
Laboratory Director

EG/sl

Enclosure

cc: Barry Kogut, Bond, Schoeneck & King

LABORATORY ANALYSIS REPORT

Galson
Technical Services, Inc.
6601 Kirkville Road
Post Office Box 546
E Syracuse N Y 13057
Tel (315) 432-0506

Client: GLADDING CORDAGE CO.
Task Number: 86121201
Location: S. OTSELIC, NY

Job Number: G7266
Date Sampled: 11-DEC-1986

PURGEABLE HALOCARBONS IN WATER

| | Lab ID: | D28466A+B | D28467A+B | D28468A+B | D28469A+ |
|---|---|---|---|---|---|
| | Client ID: | WELL #1 | WELL #2 | WELL #3 | WELL 4S |
| Chloromethane | PPB | <1 | <1 | <1 | <1 |
| Bromomethane | PPB | <1 | <1 | <1 | <1 |
| Vinyl Chloride | PPB | <1 | <1 | <1 | <1 |
| Chloroethane | PPB | <1 | <1 | <1 | <1 |
| Methylene Chloride | PPB | 3 | <1 | <1 | <1 |
| 1,1-Dichloroethene | PPB | 5 | 2 | 2 | <1 |
| 1,1-Dichloroethane | PPB | 48 | 18 | 30 | 3 |
| t-1,2-Dichloroethene | PPB | <1 | <1 | <1 | <1 |
| Chloroform | PPB | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | PPB | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | PPB | 227 | 497 | 437 | 103 |
| Carbon Tetrachloride | PPB | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | PPB | <1 | <1 | <1 | <1 |
| Bromodichloromethane | PPB | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | PPB | <1 | <1 | <1 | <1 |
| t-1,3-Dichloropropene | PPB | <1 | <1 | <1 | <1 |
| Trichloroethene | PPB | <1 | <1 | <1 | <1 |
| Dibromochloromethane | PPB | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | PPB | <1 | <1 | <1 | <1 |
| c-1,3-Dichloropropene | PPB | <1 | <1 | <1 | <1 |
| 2-Chloroethylvinyl ether | PPB | <10 | <10 | <10 | <10 |
| Bromoform | PPB | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | PPB | <1 | <1 | <1 | <1 |
| Tetrachloroethene | PPB | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | PPB | 20 | <1 | <1 | <1 |
| Chlorobenzene | PPB | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | PPB | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | PPB | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | PPB | <1 | <1 | <1 | <1 |

Method(s): EPA 601
Footnotes:

Submitted by:
Approved by:
Date: 19-DEC-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
$\mu g$ - Micrograms
NG - Nanograms

Galson
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# LABORATORY ANALYSIS REPORT

Client: GLADDING CORDAGE CO. Job Number: G7266
Task Number: 86121201
Location: S. OTSELIC, NY Date Sampled: 11-DEC-1986

## PURGEABLE HALOCARBONS IN WATER

| | Lab ID: | D28470A+B | D28471A+B | D28472A+B | D28473A+ |
|---|---|---|---|---|---|
| | Client ID: | WELL 4D | WELL 5S | WELL 5D | FIELD BL |
| Chloromethane | PPB | <1 | <1 | <1 | <1 |
| Bromomethane | PPB | <1 | <1 | <1 | <1 |
| Vinyl Chloride | PPB | <1 | <1 | <1 | <1 |
| Chloroethane | PPB | <1 | <1 | <1 | <1 |
| Methylene Chloride | PPB | <1 | <1 | <1 | <1 |
| 1,1-Dichloroethene | PPB | <1 | 2 | <1 | <1 |
| 1,1-Dichloroethane | PPB | <1 | 43 | <1 | <1 |
| t-1,2-Dichloroethene | PPB | <1 | <1 | <1 | <1 |
| Chloroform | PPB | <1 | <1 | <1 | <1 |
| 1,2-Dichloroethane | PPB | <1 | <1 | <1 | <1 |
| 1,1,1-Trichloroethane | PPB | 31 | 475 | 243 | <1 |
| Carbon Tetrachloride | PPB | <1 | <1 | <1 | <1 |
| Dichlorodifluoromethane | PPB | <1 | <1 | <1 | <1 |
| Bromodichloromethane | PPB | <1 | <1 | <1 | <1 |
| 1,2-Dichloropropane | PPB | <1 | <1 | <1 | <1 |
| t-1,3-Dichloropropene | PPB | <1 | <1 | <1 | <1 |
| Trichloroethene | PPB | <1 | <1 | <1 | <1 |
| Dibromochloromethane | PPB | <1 | <1 | <1 | <1 |
| 1,1,2-Trichloroethane | PPB | <1 | <1 | <1 | <1 |
| c-1,3-Dichloropropene | PPB | <1 | <1 | <1 | <1 |
| 2-Chloroethylvinyl ether | PPB | <10 | <10 | <10 | <10 |
| Bromoform | PPB | <10 | <10 | <10 | <10 |
| 1,1,2,2-Tetrachloroethane | PPB | <1 | <1 | <1 | <1 |
| Tetrachloroethene | PPB | <1 | <1 | <1 | <1 |
| Trichlorofluoromethane | PPB | <1 | 2 | <1 | <1 |
| Chlorobenzene | PPB | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | PPB | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | PPB | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | PPB | <1 | <1 | <1 | <1 |

Method(s): EPA 601
Footnotes:

Submitted by:
Approved by:
Date: 19-DEC-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
$\mu g$ - Micrograms
NG - Nanograms

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# LABORATORY ANALYSIS REPORT

Client: GLADDING CORDAGE CO. Job Number: G7266
Task Number: 86121201
Location: S. OTSELIC, NY Date Sampled: 11-DEC-1986

## PUGEABLE AROMATICS IN WATER

| | Lab ID: | D28466A+B | D28467A+B | D28468A+B | D28469A+ |
|---|---|---|---|---|---|
| | Client ID: | WELL #1 | WELL #2 | WELL #3 | WELL 4S |
| Benzene | µg/L | <1 | <1 | <1 | <1 |
| Bromobenzene | µg/L | <1 | <1 | <1 | <1 |
| n-Butylbenzene | µg/L | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | µg/L | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | µg/L | <1 | <1 | <1 | <1 |
| Chlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | µg/L | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | µg/L | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| Ethylbenzene | µg/L | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | µg/L | <1 | <1 | <1 | <1 |
| Isopropylbenzene | µg/L | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | µg/L | <1 | <1 | <1 | <1 |
| Naphthalene | µg/L | <1 | <1 | <1 | <1 |
| n-Propylbenzene | µg/L | <1 | <1 | <1 | <1 |
| Styrene | µg/L | <1 | <1 | <1 | <1 |
| Tetrachloroethene | µg/L | <1 | <1 | <1 | <1 |
| Toluene | µg/L | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| Trichloroethene | µg/L | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | µg/L | <1 | <1 | <1 | <1 |
| o-Xylene | µg/L | <1 | <1 | <1 | <1 |
| m-Xylene | µg/L | <1 | <1 | <1 | <1 |
| p-Xylene | µg/L | <1 | <1 | <1 | <1 |

Method(s): EPA 503
Footnotes:

Submitted by:
Approved by:
Date: 19-DEC-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
µg - Micrograms
NG - Nanograms

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# LABORATORY ANALYSIS REPORT

Client: GLADDING CORDAGE CO. Job Number: G7266
Task Number: 86121201
Location: S. OTSELIC, NY Date Sampled: 11-DEC-1986

## PURGEABLE AROMATICS IN WATER

| Lab ID: / Client ID: | | D28470A+B WELL 4D | D28471A+B WELL 5S | D28472A+B WELL 5D | D28473A+ FIELD BL |
|---|---|---|---|---|---|
| Benzene | µg/L | <1 | <1 | <1 | <1 |
| Bromobenzene | µg/L | <1 | <1 | <1 | <1 |
| n-Butylbenzene | µg/L | <1 | <1 | <1 | <1 |
| sec-Butylbenzene | µg/L | <1 | <1 | <1 | <1 |
| tert-Butylbenzene | µg/L | <1 | <1 | <1 | <1 |
| Chlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 2-Chlorotoluene | µg/L | <1 | <1 | <1 | <1 |
| 4-Chlorotoluene | µg/L | <1 | <1 | <1 | <1 |
| 1,2-Dichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,3-Dichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,4-Dichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| Ethylbenzene | µg/L | <1 | <1 | <1 | <1 |
| Hexachlorobutadiene | µg/L | <1 | <1 | <1 | <1 |
| Isopropylbenzene | µg/L | <1 | <1 | <1 | <1 |
| 4-Isopropyltoluene | µg/L | <1 | <1 | <1 | <1 |
| Naphthalene | µg/L | <1 | <1 | <1 | <1 |
| n-Propylbenzene | µg/L | <1 | <1 | <1 | <1 |
| Styrene | µg/L | <1 | <1 | <1 | <1 |
| Tetrachloroethene | µg/L | <1 | <1 | <1 | <1 |
| Toluene | µg/L | <1 | <1 | <1 | <1 |
| 1,2,3-Trichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,2,4-Trichlorobenzene | µg/L | <1 | <1 | <1 | <1 |
| Trichloroethene | µg/L | <1 | <1 | <1 | <1 |
| 1,2,4-Trimethylbenzene | µg/L | <1 | <1 | <1 | <1 |
| 1,3,5-Trimethylbenzene | µg/L | <1 | <1 | <1 | <1 |
| o-Xylene | µg/L | <1 | <1 | <1 | <1 |
| m-Xylene | µg/L | <1 | <1 | <1 | <1 |
| p-Xylene | µg/L | <1 | <1 | <1 | <1 |

Method(s): EPA 503
Footnotes:

Submitted by:
Approved by:
Date: 19-DEC-1986

(<) - Less Than
(>) - Greater Than
NA - Not Applicable
ND - Not detectable
NS - Not specified
MG - Milligrams
L - Liters
$M^3$ - Cubic Meter
$MG/M^3$ - Milligrams Per Cubic Meter
PPM - Parts Per Million
µg - Micrograms
NG - Nanograms

Nelson Technical Services Groundwater Sampling Field Data Logsheet

Client: [illegible]

Location: [illegible]

Job Number: 67-266

Well I.D.: #1

Date: 12-11-96

Time: _____

Well purged by NTS? yes ✓ no ___

**WATER LEVEL MEASUREMENTS (BEFORE PURGING)**

Date: 12-11-96 Time: 10:30 Method (check one): ___ steel tape ✓ electric meter ___ well sounder ___ other (specify)

-or- ✓ top of protective casing

Reference Point (check one): ___ top of well casing

Units (check one) ✓ Feet ___ Meters

(a) Depth of water from reference point: 6.40

(b) Height of reference point above ground surface: 2.90

(c) Depth to water from ground surface (a-b): 3.5

**PURGING**

Date: 12-11-96 Time: 11:05 Method: bailer type TEFLON pump type _____

Inside diameter of well 2" inches

Calculated amount to be purged:

5 volumes = ( 14.92 total depth of well feet - 6.40 depth of water from ground (c above) feet) X .82 conversion factor* = 6.77 gallons

*conversion factors: for a 2-inch well = .82 -or- for a 4-inch well = 3.27

Amount actually purged: 7 gallons Well pumped dry? ___ yes ✓ no

**SAMPLING**

Date: 12-11-96 Time: 11:00 Method: bailer type TEFLON pump type _____

component materials (e.g., tubing, pump parts, bailer material)

List containers filled in the field:

(a) Unfiltered Samples (specify parameters)

601 W + 503 W

(b) Samples to be filtered (specify container type, e.g. glass, polyethylene, etc.)

Sample description: TURBID RED BROWN - FLOATING COLLOIDAL MATERIAL NO ODOR

Comments and Observations (Notes concerning well, samples, procedures, etc.)

LARGE NUMBER OF DEC COLLECTED SPLIT SAMPLE

Sampler's Name: [signature]

Nelson Technical Services Groundwater Sampling Field Data Logsheet

Client: GLADDING CONDAGE
Location: SCOTTSVILLE, N.Y.
Job Number: G7-266

Well I.D.: 2
Date: 12-11-86
Time: 5:00

Well purged by GTS? yes ✓ no ___

WATER LEVEL MEASUREMENTS (BEFORE PURGING)

Date: 12-11-86 Time: 5:00 Method (check one): ___ steel tape ✓ electric meter ___ well sounder ___ other (specify)

-or- ✓ top of protective casing

Reference Point (check one): ___ top of well casing

Units (check one) ✓ Feet ___ Meters

(a) Depth of water from reference point: 7.46

(b) Height of reference point above ground surface: ~~7.79~~ 2.79

(c) Depth to water from ground surface (a-b): 4.67

PURGING

Date: 12-11-86 Time: 5:00 Method: bailer type TEFLON pump type ___

Inside diameter of well 2 inches

Calculated amount to be purged:

5 volumes= ( 17.17 ) feet · ( 7.46 ) feet) x ( ~~9.71~~ ~~19.2~~ .82 ) = 11.8 gallons

total depth of well — depth of water from ground (c above) — conversion factor*

*conversion factors: for a 2-inch well = .82 -or- for a 4-inch well = 3.2

Amount actually purged: 12 gallons

Well pumped dry? ___ yes ✓ no

SAMPLING

Date: 12-11-86 Time: 5:00 Method: bailer type TEFLON pump type ___

component materials (e.g., tubing, pump parts, bailer material)

List containers filled in the field:

(a) Unfiltered Samples (specify parameters)

601 W + 503 W

(b) Samples to be filtered (specify container type, e.g. glass, polyethylene, etc.)

Sample description: SILTY SAND TURBID [illegible]

Comments and Observations(Notes concerning well,samples,procedures,etc.)

DEC SPLIT

Sampler's Name: T. J. Bell

Nelson Technical Services Groundwater Sampling Field Data Logsheet

Client: CLARENDON LANDFILL
Location: S. CLARENDON, N.Y.
Job Number: 87-266

Well I.D.: 4
Date: 12-11-86
Time: 5:17

Well purged by NTS? yes ✓ no ___

WATER LEVEL MEASUREMENTS (BEFORE PURGING)

Date: 12-11-86 Time: 5:17 Method (check one): ___ steel tape ✓ electric meter ___ well sounder ___ other (specify)

Reference Point (check one): ___ top of well casing -or- ✓ top of protective casing
Units (check one) ✓ Feet ___ Meters

(a) Depth of water from reference point: 8.85
(b) Height of reference point above ground surface: 2.72
(c) Depth to water from ground surface (a-b): 6.13

PURGING

Date: 12-11-86 Time: 5:30 Method: bailer type TEFLON pump type ___

Inside diameter of well 2 inches
Calculated amount to be purged:
5 volumes* ( 18.00 feet - 8.85 feet) x .82 = 7.5 gallons
(total depth of well; depth of water from ground (c above); conversion factor*)

*conversion factors: for a 2-inch well = .82 -or- for a 4-inch well = 3.2

Amount actually purged: 7.5 gallons
Well pumped dry? ___ yes ✓ no

SAMPLING

Date: 12-11-86 Time: 5:44 Method: bailer type TEFLON pump type ___
component materials (e.g., tubing, pump parts, bailer material)

List containers filled in the field:
(a) Unfiltered Samples (specify parameters)
601 W 503W

(b) Samples to be filtered (specify container type, e.g. glass, polyethylene, etc.)

Sample description: WATER SILTY TURBID NO ODOR

Comments and Observations(Notes concerning well,samples,procedures,etc.)
ALL DONE AT 6:00 PM

Sampler's Name: [signature]

# Gilson Technical Services Groundwater Sampling Field Data Logsheet

Client: [illegible]

Location: [illegible]

Job Number: C-7-266

Well I.D.: [illegible]

Date: 12-11-86

Time: [illegible]

Well purged by GTS? yes ✓ no ___

## WATER LEVEL MEASUREMENTS (BEFORE PURGING)

Date: 12-11-86 Time: [illegible] Method (check one): ___ steel tape ✓ electric meter ___ well sounder ___ other (specify)

-or- ✓ top of protective casing

Reference Point (check one): ___ top of well casing

Units (check one) ✓ Feet ___ Meters

(a) Depth of water from reference point: 1.33

(b) Height of reference point above ground surface: 2.30

(c) Depth to water from ground surface (a-b): ~~0.97~~ 7.03

## PURGING

Date: 12-11-86 Time: [illegible] Method: bailer type TEFLON pump type ___

Inside diameter of well 2 inches

Calculated amount to be purged:

3 volumes* ( 20.14 feet - 1.33 feet) X .82 conversion factor* = 8.9 gallons

(total depth of well; depth of water from ground (c above))

*conversion factors: for a 2-inch well = .82 -or- for a 4-inch well = 3.2

Amount actually purged: 9 gallons

Well pumped dry? ___ yes ✓ no

## SAMPLING

Date: 12-11-86 Time: [illegible] Method: bailer type TEFLON pump type ___

component materials (e.g., tubing, pump parts, bailer material)

List containers filled in the field:

(a) Unfiltered Samples (specify parameters)

601 W + 503 W

(b) Samples to be filtered (specify container type, e.g. glass, polyethylene, etc.)

Sample description: [illegible] SLIGHTLY TURBID

Comments and Observations (Notes concerning well, samples, procedures, etc.)

DEC SPLIT

Sampler's Name: [illegible]

Halson Technical Services Groundwater Sampling Field Data Logsheet

Client: [illegible]

Location: [illegible]

Job Number: 67-266

Well I.D.: MW-4D

Date: 12-11-86

Time: 12:05

Well purged by HTS? yes ✓ no ___

WATER LEVEL MEASUREMENTS (BEFORE PURGING)

Date: 12-11 Time: [illegible] Method (check one): ___ steel tape ✓ electric meter ___ well sounder ___ other (specify)

Reference Point (check one): ✓ top of well casing or ___ top of protective casing

Units (check one) ✓ Feet ___ Meters

(a) Depth of water from reference point: 9.70

(b) Height of reference point above ground surface: 2.5'

(c) Depth to water from ground surface (a-b): 7.4

PURGING

Date: 12-11 Time: 12:00 Method: bailer type TEFLON pump type ___

Inside diameter of well 2 inches

Calculated amount to be purged:

5 volumes* ( 77.36 feet - 4.90 feet) X .82 / ~~6.44~~ = 52.3 gallons

(total depth of well; depth of water from ground (c above); conversion factor*)

*conversion factors: for a 2-inch well = .82 or for a 4-inch well = 3.2

Amount actually purged: 54 gallons Well pumped dry? ___ yes ✓ no

SAMPLING

Date: 12-11-86 Time: 12:35 Method: bailer type TEFLON pump type ___

component materials (e.g., tubing, pump parts, bailer material)

List containers filled in the field:

(a) Unfiltered Samples (specify parameters)

601 W + 503W

(b) Samples to be filtered (specify container type, e.g. glass, polyethylene, etc.)

Sample description: CLEAR SLIGHT TURBIDITY NO ODOR

Comments and Observations(Notes concerning well,samples,procedures,etc.)

MISTAKE MADE [illegible] SAMPLING 45 GALLON AND ADDITIONAL 9 GAL. IT CAL WAS BAILED THE FIRST TIME 2ND SAMPLE TAKEN 2:15 DEL SPLIT

Sampler's Name: Thomas J. Bell

Nelson Technical Services Groundwater Sampling Field Data Logsheet

Client: CUMMINS ENGINE Well I.D.: 5S

Location: SCHENECTADY, N.Y. Date: 12-11-86

Job Number: C7-266 Time: 4:30

Well purged by GTS? yes ✓ no ___

WATER LEVEL MEASUREMENTS (BEFORE PURGING)

Date: 12-11-86 Time: 4:30 Method (check one): ___ steel tape ✓ electric meter ___ well sounder ___ other (specify)

Reference Point (check one): ___ top of well casing -or- ✓ top of protective casing Units (check one) ✓ Feet ___ Meters

(a) Depth of water from reference point: 7.60

(b) Height of reference point above ground surface: 2.34

(c) Depth to water from ground surface (a-b): 5.26

PURGING

Date: 12-11-86 Time: 4:30 Method: bailer type TEFLON pump type ___

Inside diameter of well 2 inches

Calculated amount to be purged:

5 volumes* ( 21.82 feet - 7.60 feet) X .82 / ~~.86~~ = 11.6 gallons

(total depth of well; depth of water from ground (c above); conversion factor*)

*conversion factors: for a 2-inch well = .82 -or- for a 4-inch well = 3.2?

Amount actually purged: 11.5 gallons Well pumped dry? ___ yes ✓ no

SAMPLING

Date: 12-11-86 Time: 4:50 Method: bailer type TEFLON pump type ___

component materials (e.g., tubing, pump parts, bailer material)

List containers filled in the field:

(a) Unfiltered Samples (specify parameters)

601 W + 503 W

(b) Samples to be filtered (specify container type, e.g. glass, polyethylene, etc.)

Sample description: SL, SILTY NO ODOR

Comments and Observations(Notes concerning well,samples,procedures,etc.)

- DEL SPLIT

Sampler's Name: J Bel

Nelson Technical Services Groundwater Sampling Field Data Logsheet

Client: GLENDALE CORONET

Well I.D.: 5D

Location: SANTA CLARA, CA

Date: 12-1-86

Job Number: 67-266

Time: 4:00

Well purged by GTS? yes ✓ no ___

WATER LEVEL MEASUREMENTS (BEFORE PURGING)

Date: 12-11-86 Time: 2:35 Method (check one): ___ steel tape ✓ electric meter ___ well sounder ___ other (specify)

Reference Point (check one): ___ top of well casing -or- ✓ top of protective casing

Units (check one) ✓ Feet ___ Meters

(a) Depth of water from reference point: 7.97

(b) Height of reference point above ground surface: 2.2

(c) Depth to water from ground surface (a-b): 5.77

PURGING

Date: 12-11-86 Time: 3:30 Method: bailer type TEFLON pump type ___

Inside diameter of well 2 inches

Calculated amount to be purged:

5 volumes* ( 72.14 feet - 7.97 feet) x 5 x .82 = 52.6 gallons

(total depth of well; depth of water from ground (c above); conversion factor*)

*conversion factors: for a 2-inch well = .82 -or- for a 4-inch well = 3.2?

Amount actually purged: 52 gallons

Well pumped dry? ___ yes ✓ no

SAMPLING

Date: 12-11-86 Time: [illegible] Method: bailer type TEFLON pump type ___

component materials (e.g., tubing, pump parts, bailer material)

List containers filled in the field:

(a) Unfiltered Samples (specify parameters)

6 CL W + 5 O3 W

(b) Samples to be filtered (specify container type, e.g. glass, polyethylene, etc.)

Sample description: WATER CLEAR, V SLIGHT TURBIDITY NO ODOR

Comments and Observations(Notes concerning well, samples, procedures, etc.)

• DEC SPLIT

Sampler's Name: [signature]

# GROUNDWATER SAMPLING FIELD LOG

Sample Location [illegible] Well No. #1

Sampled By [illegible] Date 12-1-88 Time [illegible]

Weather [illegible] Sampled with Bailer ✓ Pump ____

A. Water Table

Well depth (from top of standpipe) 14.10 Well elevation (top of standpipe) 2.1'

Depth to water table (from top of standpipe 7.7' Water table elevation 6.4 [illegible]

Length of water column (LWC) 8.5 (feet)

Volume of water in well - 2" diameter wells = 0.163 x (LWC) = 1.39 gallons
- 4" diameter wells = 0.653 x (LWC) = ____ gallons
- 6" diameter wells = 1.469 x (LWC) = ____ gallons

B. Physical Appearance At Start

Color RED BROWN Odor NONE Turbidity MODERATE

Was an oil film or layer apparent? NO

C. Preparation of Well for Sampling

Amount of water removed before sampling 7 gallons

Did well go dry? NO

D. Physical Appearance During Sampling

Color TURBID RED BROWN Odor NONE Turbidity MODERATE

Was an oil film or layer apparent? NO

E. Well Sampling

| | Analysis | Bottle No. | Special Sampling Instructions |
|---|---|---|---|
| 1. | TWO PICKED VIALS | | GC1 + SC3 SCAN |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

F. Conductivity ____ pH ____

Temperature ____

# GROUNDWATER SAMPLING FIELD LOG

Sample Location GLADDING CENTRAGE Well No. 2

Sampled By T. J. BIER Date 12-11-96 Time 5:00

Weather 30°F PARTLY CLOUDY Sampled with Bailer X Pump ____

A. Water Table

Well depth (from top of standpipe) 17.19 Well elevation (top of standpipe) 2.79

Depth to water table (from top of standpipe 7.46 Water table elevation 7.67

Length of water column (LWC) 9.73 (feet)

Volume of water in well - 2" diameter wells = 0.163 x (LWC) = 1.58 gallons
- 4" diameter wells = 0.653 x (LWC) = ____ gallons
- 6" diameter wells = 1.469 x (LWC) = ____ gallons

B. Physical Appearance At Start

Color LIGHT BROWN Odor NONE Turbidity MODERATE

Was an oil film or layer apparent? NO

C. Preparation of Well for Sampling

Amount of water removed before sampling 11.8 gallons

Did well go dry? NO

D. Physical Appearance During Sampling

Color LIGHT BROWN Odor NONE Turbidity MODERATE

Was an oil film or layer apparent? NO

E. Well Sampling

| | Analysis | Bottle No. | Special Sampling Instructions |
|---|---|---|---|
| 1. | MW: PIOTCO VIALS | | 601 + 503 SCANS |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

F. Conductivity ____ pH ____

Temperature ____

# GROUNDWATER SAMPLING FIELD LOG

Sample Location LOADING CLRDAGE Well No. 3

pled By T. J. BIR Date 12-11-56 Time 5:17

eather 30°F PARTLY CLOUDY Sampled with Bailer ✓ Pump ____

A. **Water Table**

Well depth (from top of standpipe) 18.00 Well elevation (top of standpipe) 2.72

Depth to water table (from top of standpipe 5.85 Water table elevation 6.13

Length of water column (LWC) 9.15 (feet)

Volume of water in well - 2" diameter wells = 0.163 x (LWC) = 1.49 gallons
- 4" diameter wells = 0.653 x (LWC) = ____ gallons
- 6" diameter wells = 1.469 x (LWC) = ____ gallons

B. **Physical Appearance At Start**

Color LT RD BROWN Odor NONE Turbidity SLIGHT

Was an oil film or layer apparent? NO

C. **Preparation of Well for Sampling**

Amount of water removed before sampling 7.5 gallons

Did well go dry? NO

D. **Physical Appearance During Sampling**

Color LT BROWN Odor NONE Turbidity ~~SLIGHT~~ MODERATE

Was an oil film or layer apparent? NO

E. **Well Sampling**

| | Analysis | Bottle No. | Special Sampling Instructions |
|---|---|---|---|
| 1. | TWO 40ML6 VIALS | | 601 + 503 SCANS |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

F. Conductivity ____ pH ____

Temperature ____

# GROUNDWATER SAMPLING FIELD LOG

Sample Location LOADING DOCK Well No. MW-2

Sampled By T. J. BYRD Date 1-[illegible] Time [illegible]

Weather 32°F CLOUDY Sampled with Bailer X Pump ____

A. **Water Table**

Well depth (from top of standpipe) 20.18 Well elevation (top of standpipe) 2.30

Depth to water table (from top of standpipe 9.33 Water table elevation 7.03

Length of water column (LWC) 10.85 (feet)

Volume of water in well - 2" diameter wells = 0.163 x (LWC) = 1.77 gallons
- 4" diameter wells = 0.653 x (LWC) = ____ gallons
- 6" diameter wells = 1.469 x (LWC) = ____ gallons

5.00 = 8.8

B. **Physical Appearance At Start**

Color [illegible] Odor [illegible] Turbidity [illegible]

Was an oil film or layer apparent? NO

C. **Preparation of Well for Sampling**

Amount of water removed before sampling >1 gallons

Did well go dry? NO

D. **Physical Appearance During Sampling**

Color CLEAR Odor NONE Turbidity SLIGHT

Was an oil film or layer apparent? NO

E. **Well Sampling**

| Analysis | Bottle No. | Special Sampling Instructions |
|---|---|---|
| 1. TWO PURGE VIALS | | 601 + 503 SCAN |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

F. Conductivity ____ pH ____

Temperature ____

# GROUNDWATER SAMPLING FIELD LOG

Sample Location _____ Well No. TD

Sampled By _____ Date _____ Time _____

Weather 32°F CLOUDY Sampled with Bailer X / Pump _____

A. **Water Table**

Well depth (from top of standpipe) 17.36 Well elevation (top of standpipe) 2.5

Depth to water table (from top of standpipe 9.96 Water table elevation _____

Length of water column (LWC) 7.42 (feet)

Volume of water in well - 2" diameter wells = 0.163 x (LWC) = 10.9 gallons
- 4" diameter wells = 0.653 x (LWC) = _____ gallons
- 6" diameter wells = 1.469 x (LWC) = _____ gallons

B. **Physical Appearance At Start**

Color CLEAR Odor NONE Turbidity SLIGHTLY

Was an oil film or layer apparent? NO

C. **Preparation of Well for Sampling**

Amount of water removed before sampling 4 54 gallons

Did well go dry? NO

D. **Physical Appearance During Sampling**

Color CLEAR Odor NONE Turbidity SLIGHT

Was an oil film or layer apparent? NO

E. **Well Sampling**

| | Analysis | Bottle No. | Special Sampling Instructions |
|---|---|---|---|
| 1. | TWO PISTOL VIALS | | GC1 + 503 SCAN |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

F. Conductivity _____ pH _____

Temperature _____

# GROUNDWATER SAMPLING FIELD LOG

Sample Location LANDING CARRIAGE Well No. 55

Sampled By T. J. BIER Date 12-11-86 Time 4:30

Weather 32°F CLOUDY Sampled with Bailer ✓ Pump ____

A. **Water Table**

Well depth (from top of standpipe) 21.82 Well elevation (top of standpipe) 2.34

Depth to water table (from top of standpipe 7.60 Water table elevation 14.22

Length of water column (LWC) 14.22 (feet)

Volume of water in well - 2" diameter wells = 0.163 x (LWC) = 2.32 gallons
- 4" diameter wells = 0.653 x (LWC) = ____ gallons
- 6" diameter wells = 1.469 x (LWC) = ____ gallons

B. **Physical Appearance At Start**

Color CLEAR Odor NONE Turbidity NONE

Was an oil film or layer apparent? NO

C. **Preparation of Well for Sampling**

Amount of water removed before sampling 11.5 gallons

Did well go dry? NO

D. **Physical Appearance During Sampling**

Color LIGHT BROWN Odor NONE Turbidity SLIGHT

Was an oil film or layer apparent? NO

E. **Well Sampling**

| | Analysis | Bottle No. | Special Sampling Instructions |
|---|---|---|---|
| 1. | TWO PISTOL VIALS | | GCL + SO3 SCAN |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |

F. Conductivity ____ pH ____

Temperature ____

# GROUNDWATER SAMPLING FIELD LOG

Sample Location [illegible] Well No. 5D

Sampled By T. J. BIRD Date 12-11-96 Time 4:00

Weather 30° PARTLY CLOUDY Sampled with Bailer X Pump ____

## A. Water Table

Well depth (from top of standpipe) 72.14 Well elevation (top of standpipe) 2.2

Depth to water table (from top of standpipe 7.97 Water table elevation 5.77

Length of water column (LWC) 64.17 (feet)

Volume of water in well - 2" diameter wells = 0.163 x (LWC) = 10.46 gallons
- 4" diameter wells = 0.653 x (LWC) = ____ gallons
- 6" diameter wells = 1.469 x (LWC) = ____ gallons

## B. Physical Appearance At Start

Color CLEAR Odor NONE Turbidity SLIGHT

Was an oil film or layer apparent? NO

## C. Preparation of Well for Sampling

Amount of water removed before sampling 52 gallons

Did well go dry? NO

## D. Physical Appearance During Sampling

Color CLEAR Odor NONE Turbidity SLIGHT

Was an oil film or layer apparent? NO

## E. Well Sampling

| Analysis | Bottle No. | Special Sampling Instructions |
|---|---|---|
| 1. TWO PISTOL VIALS | | GDL + 503 SCAN |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |
| 9. | | |
| 10. | | |

F. Conductivity ____ pH ____

Temperature ____

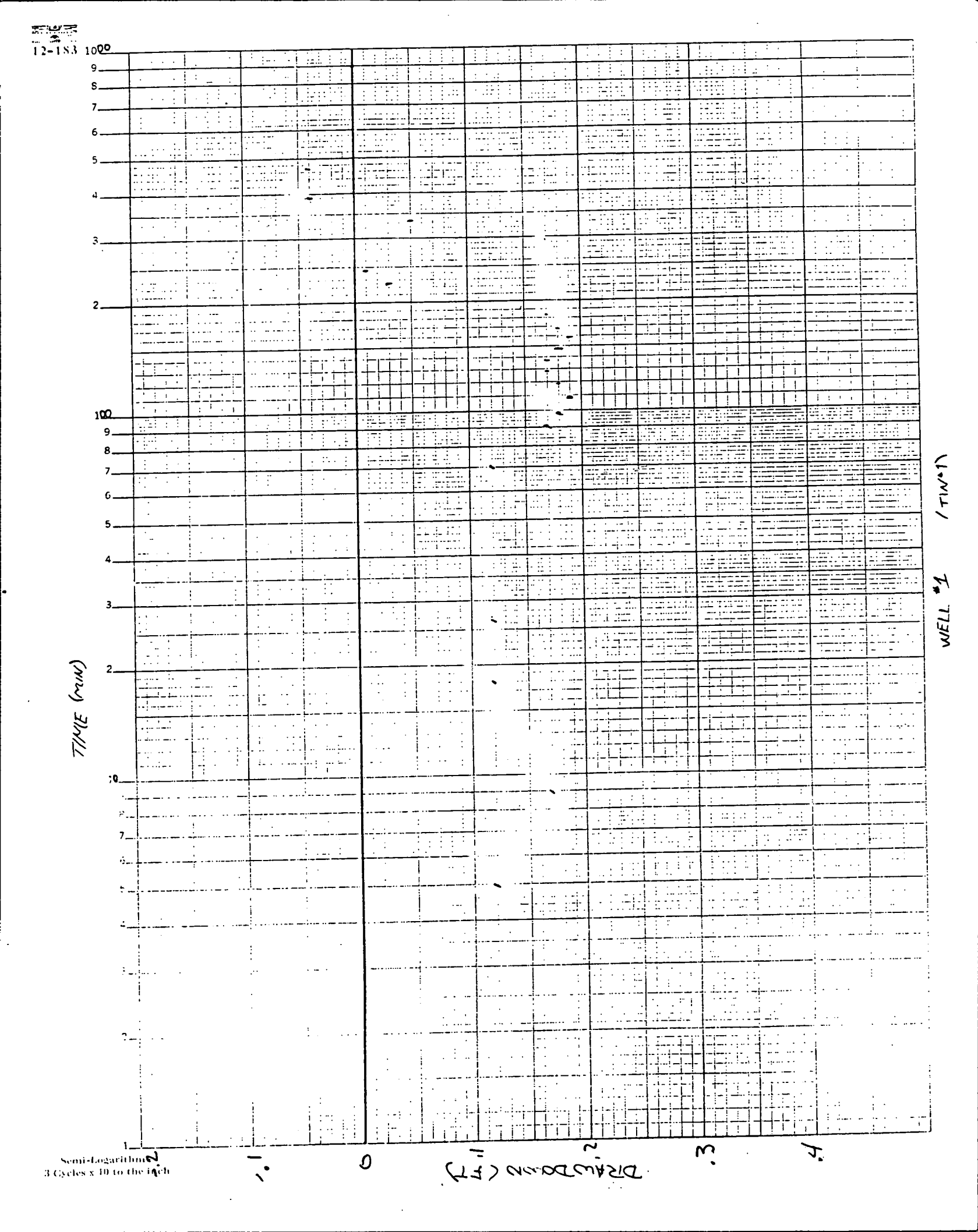
TABLE

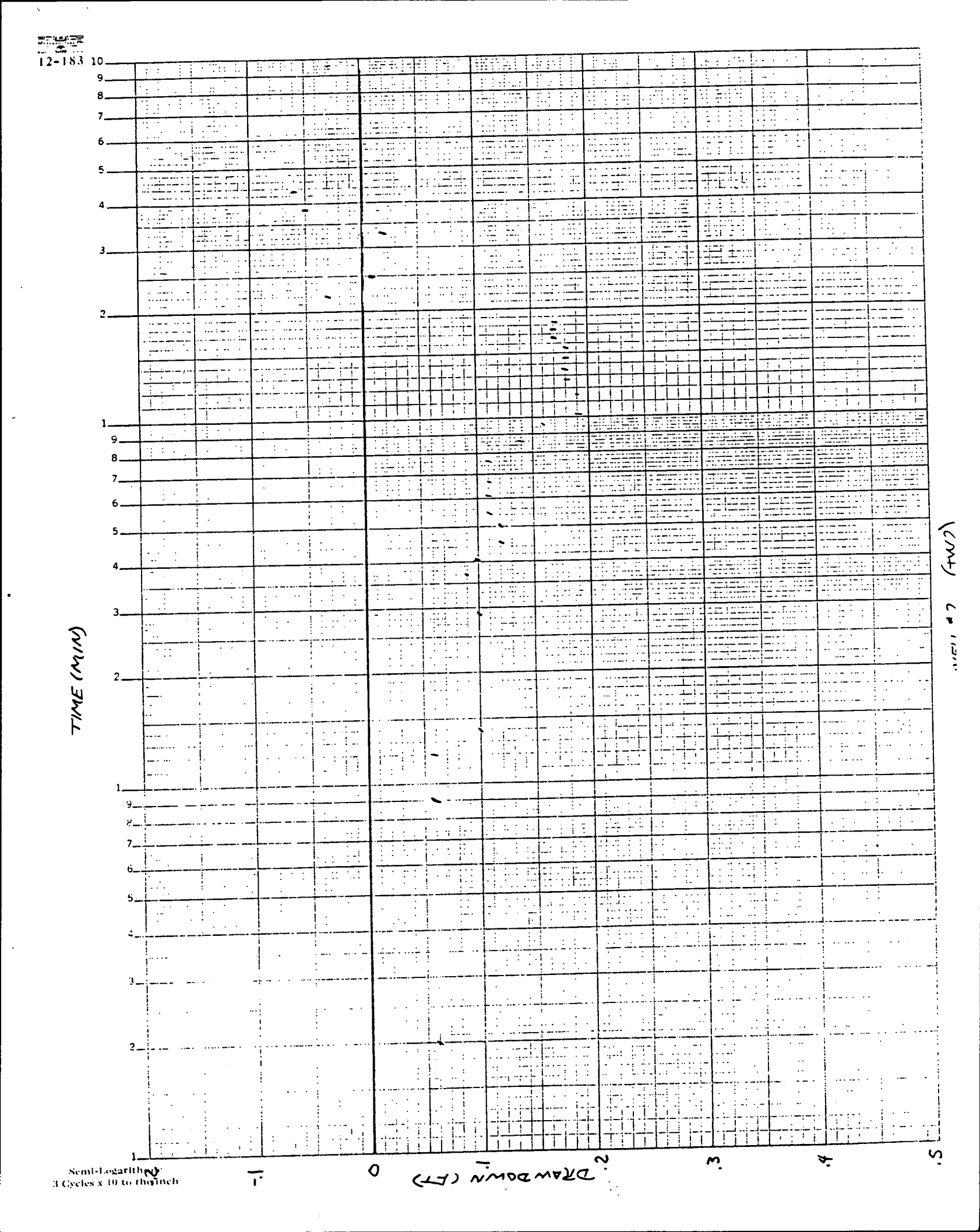
| Location | 12/30/86 AM Natural Elevation | 12/30/86 PM Pumped Elevation |
|---|---|---|
| TW*1 | 1206.40 | 1206.44 |
| TW 2 | 1205.10 | 1205.16 |
| TW 3 | 1204.60 | 1204.66 |
| TW 4S | 1203.71 | 1203.69 |
| TW 4D | 1203.45 | 1203.14 |
| TW 5S | 1204.28 | 1204.23 |
| TW 5D | 1203.86 | 1203.60 |
| Municipal #1 | 1206.37 | 1188.00 |
| Municipal #2 | 1201.30(?) | 1201.30(?) |
| Stake**1 | 1206.52 | 1206.52 |
| Stake 2 | 1205.36 | 1205.35 |
| Stake 3*** | 1204.68 | 1204.68 |
| Bridge*** | 1203.68 | 1203.68 |
| Ashbell Stake | 1206.29 | 1206.29 |
| Confluence Stake*** | 1201.79 | 1201.79 |

* The TW references are to Gladding monitoring wells.

** The stake references are to points in the Otselic River.

*** Elevation estimated by correlating data from 12/30/86 and 1/15/87.


12-183 1000
9
8
7
6
5
4
3
2
100
9
8
7
6
5
4
3
2
10
7
1
2
1.0
0
.1
.2
.3
.4
TIME (MIN)
DRAWDOWN (FT)
WELL #1
(TWO)
Semi-Logarithmic
3 Cycles x 10 to the inch

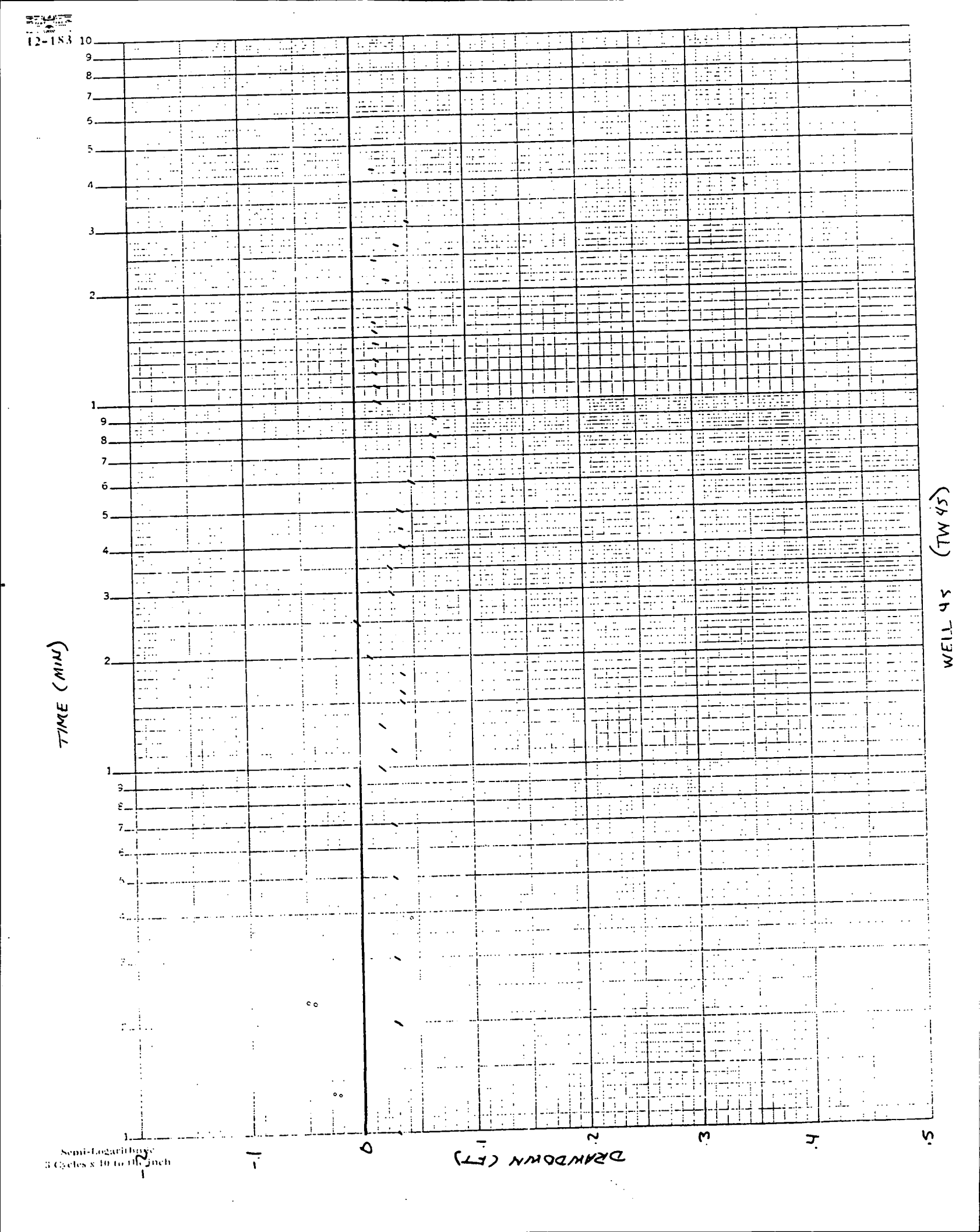

12-183
TIME (MIN)
DRAWDOWN (FT)
Semi-Logarithmic
3 Cycles x 10 to the inch

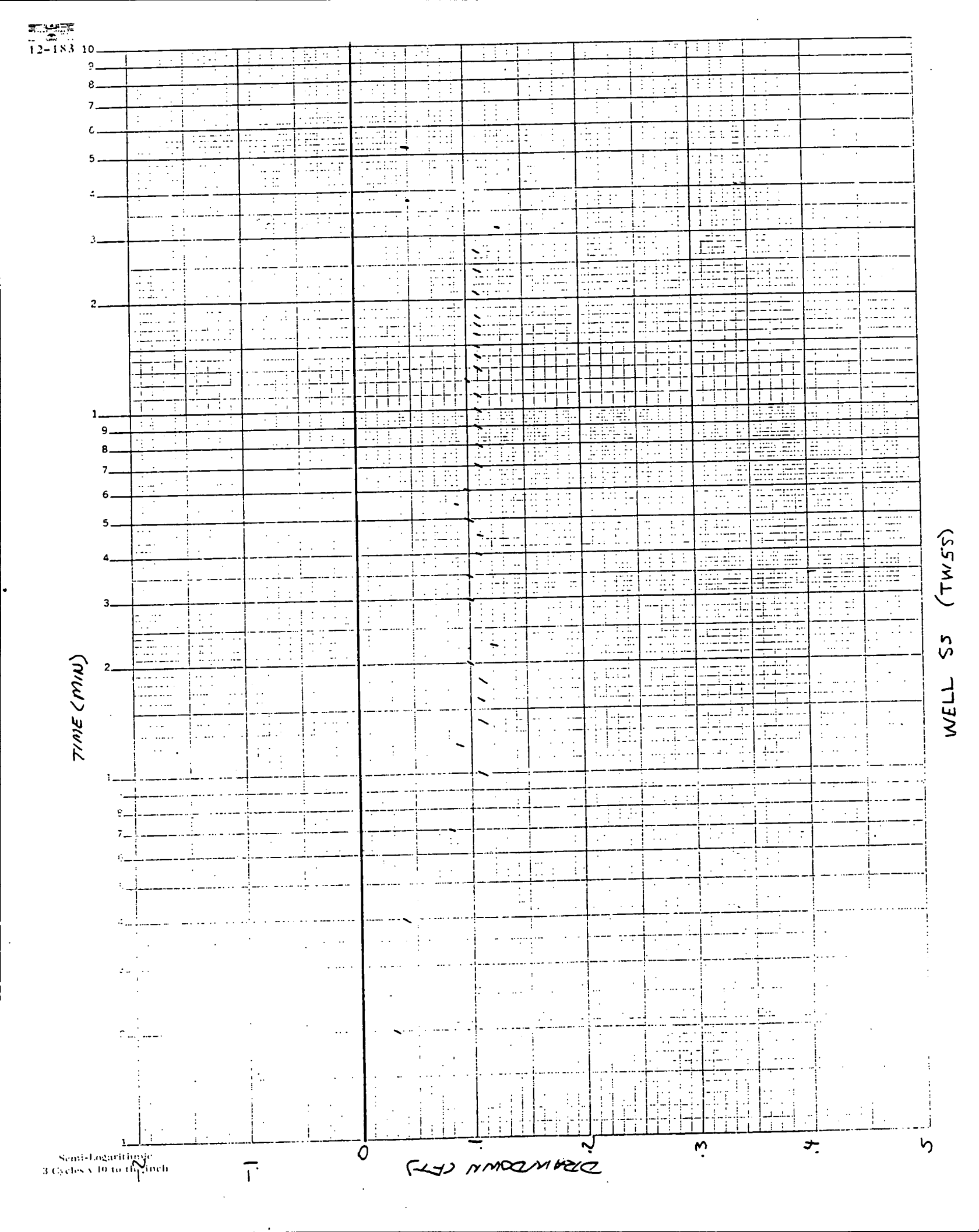
TIME (MIN)

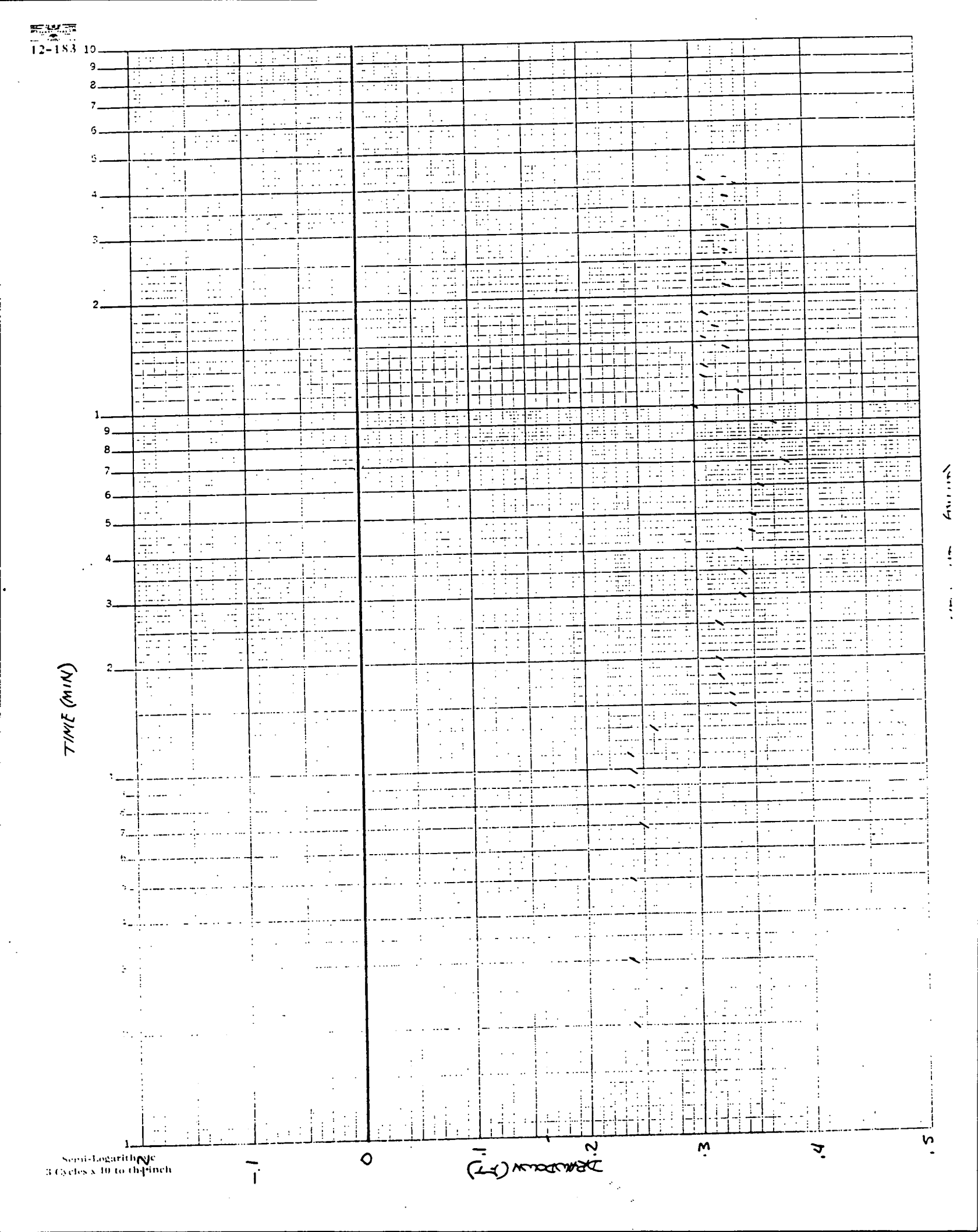
DRAWDOWNS (FT)

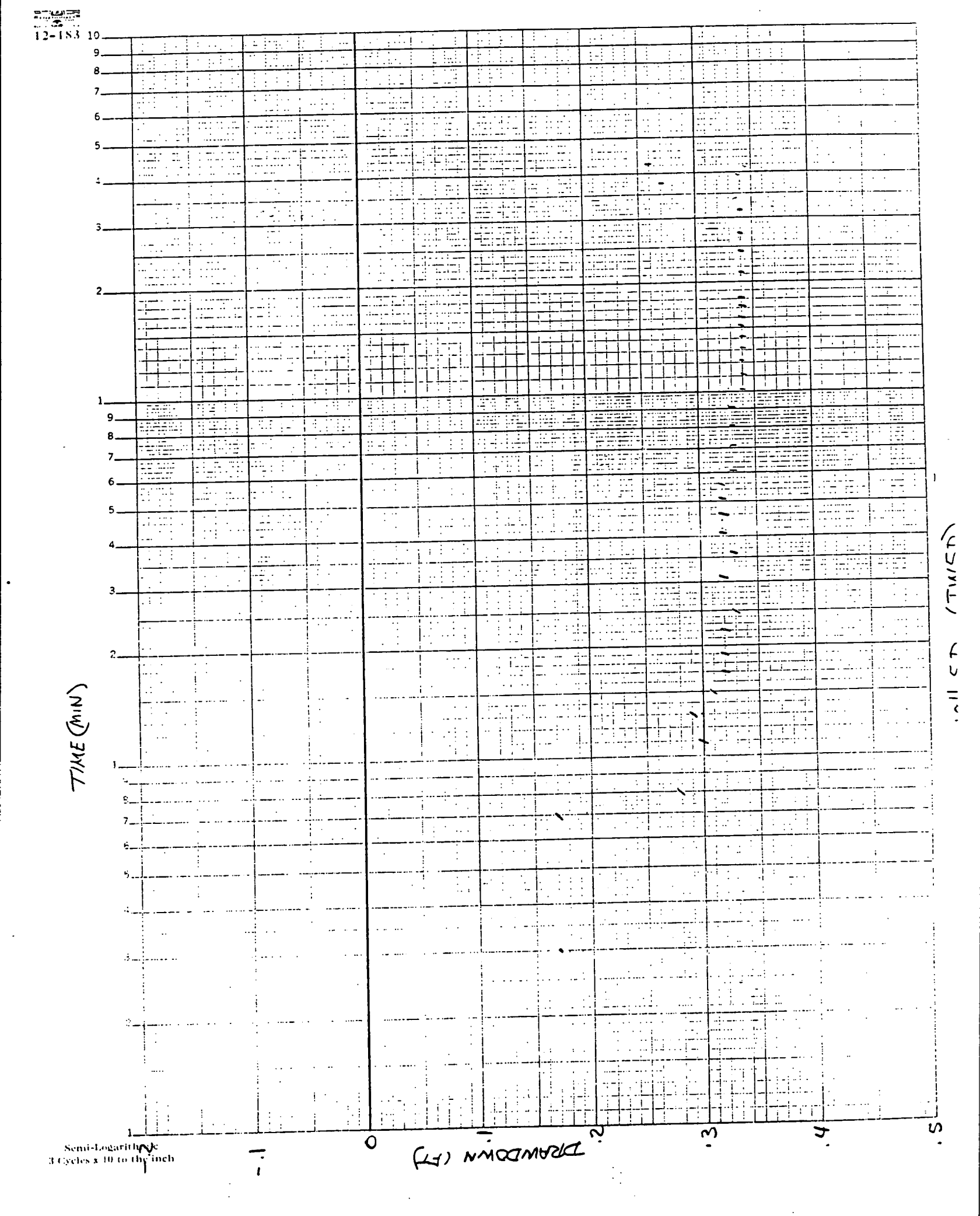
Semi-logarithmic
3 Cycles x 10 to the inch

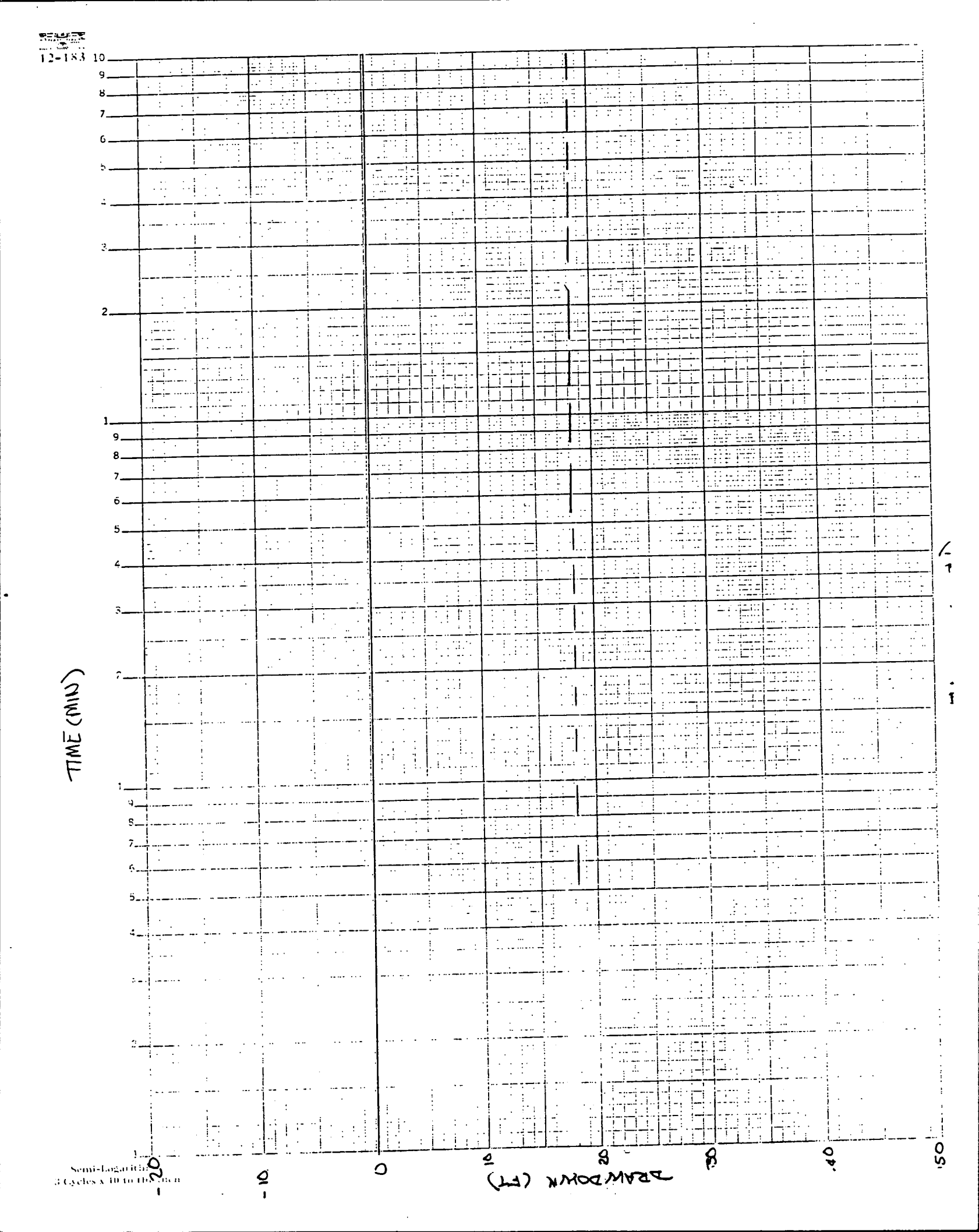
12-183

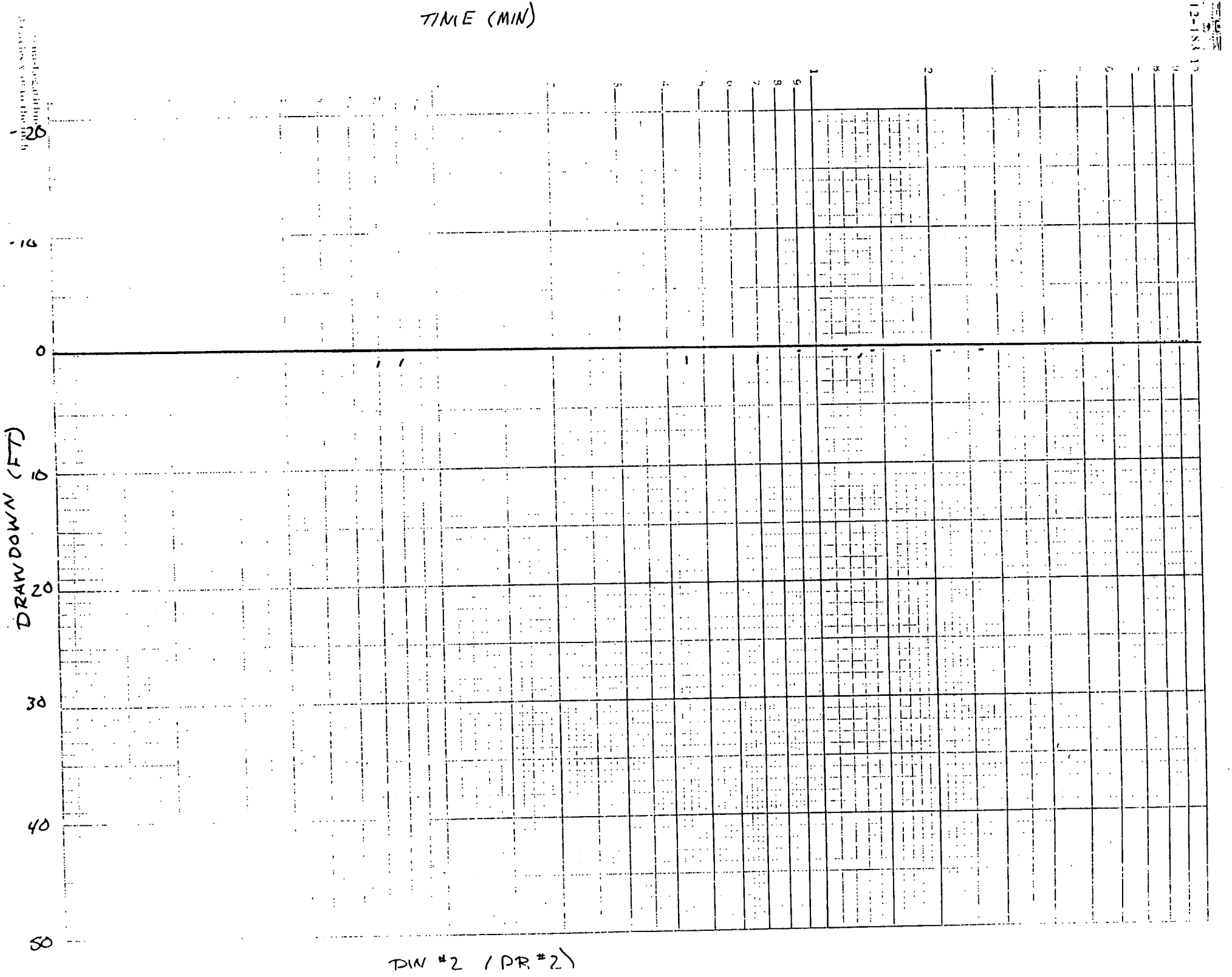

12-183
TIME (MIN)
DRAWDOWN (FT)
WELL 45 (TW 45)
Semi-Logarithmic
3 Cycles x 10 to the inch


12-183
TIME (MIN)
DRAWDOWN (FT)
WELL SS (TW55)
Semi-Logarithmic
3 Cycles x 10 to the inch


12-183
TIME (MIN)
Semi-Logarithmic
3 Cycles x 10 to the inch


12-183
TIME (MIN)
DRAWDOWN (FT)
Semi-Logarithmic
3 Cycles x 10 to the inch


12-183
TIME (MIN)
DRAWDOWN (FT)
-20
-10
0
10
20
30
40
50
Semi-Logarithmic
3 Cycles x 10 to the Inch


TIME (MIN)
DRAWDOWN (FT)
-20
-10
0
10
20
30
40
50
DIN #2 (PR #2)

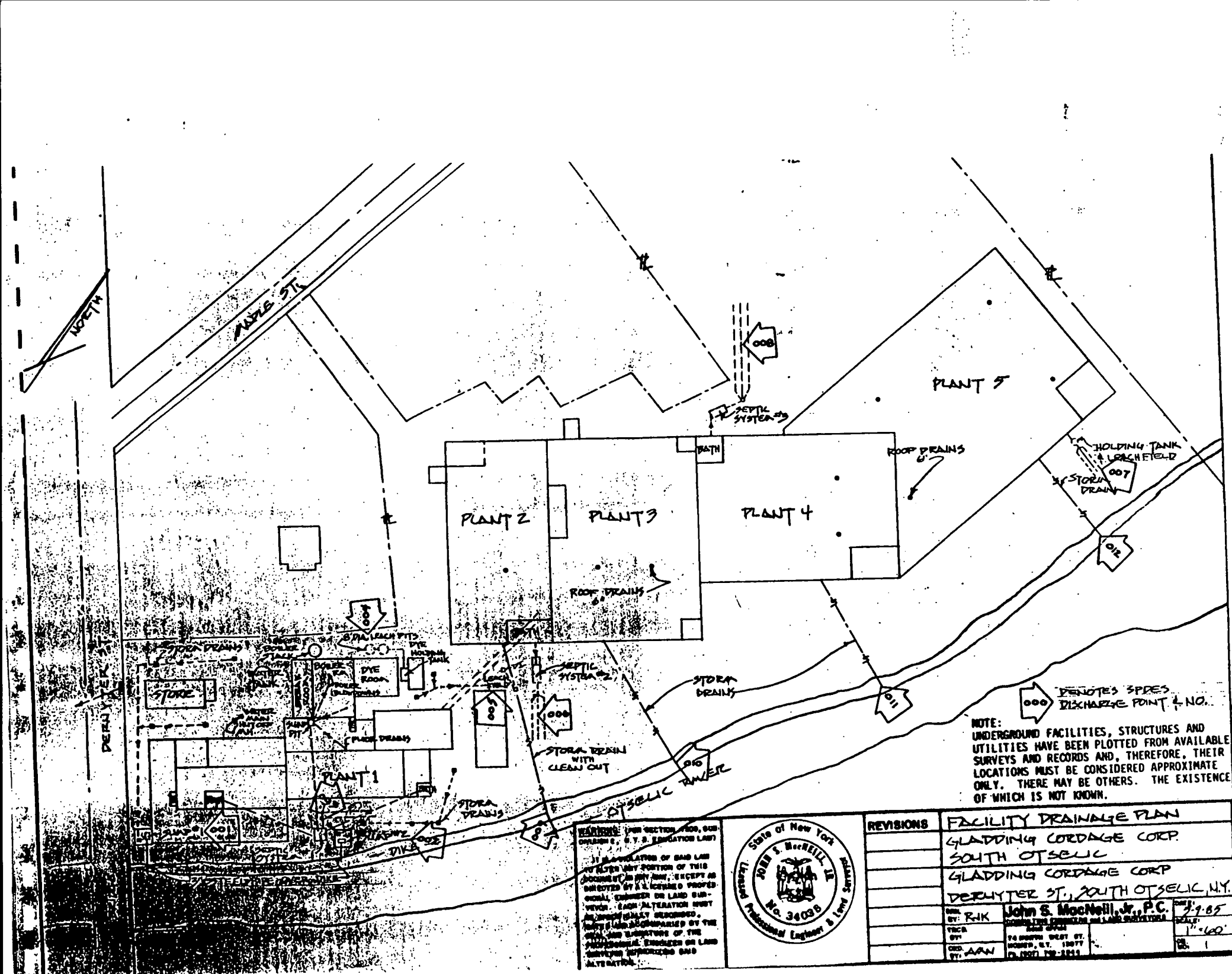
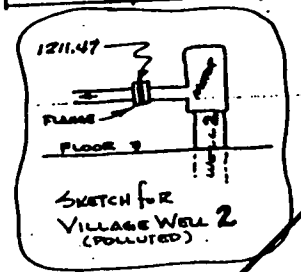
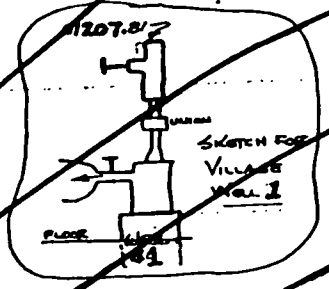

NORTH
MAPLE ST.
PLANT 1
PLANT 2
PLANT 3
PLANT 4
PLANT 5
STORE
DYE ROOM
BOILER ROOM
BATH
ROOF DRAINS
HOLDING TANK & LEACHFIELD
STORM DRAIN
SEPTIC SYSTEM #1
SEPTIC SYSTEM #2
STORM DRAINS
STORM DRAIN WITH CLEAN OUT
DERUYTER ST.
OTSELIC
OTSELIC RIVER
DENOTES SPDES DISCHARGE POINT & NO.
NOTE:
UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS NOT KNOWN.
JOHN S. MacNEILL, JR.
State of New York
Licensed Professional Engineer & Land Surveyor
No. 34038
REVISIONS
FACILITY DRAINAGE PLAN
GLADDING CORDAGE CORP.
SOUTH OTSELIC
GLADDING CORDAGE CORP
DERUYTER ST., SOUTH OTSELIC, N.Y.
DRN. BY: RNK
CHK'D BY: ARN
John S. MacNeill, Jr., P.C.
DATE: 4-9-85
SCALE: 1" = 60'
SHT. 1

FIG 2

| DATE SET | LOCATION | POINT OF MEASUREMENT | USGS ELEV. |
|---|---|---|---|
| 6-4-86 | TW 1 | TOP OF STEEL CASING | 1213.11 |
| 6-4-86 | TW 2 | " " " | 1212.90 |
| 6-4-86 | TW 3 | " " " | 1213.70 |
| 11-20-86 | TW 4S | " " " | 1212.44 |
| 11-20-86 | TW 4D | " " " | 1212.45 |
| 11-20-86 | TW 5S | " " " | 1212.25 |
| 11-20-86 | TW 5D | TOP OF STEEL CASING | 1212.22 |
| 6-4-86 | ½ IRON @ 1 | TOP OF ½ IRON | 1207.42 |
| 6-4-86 | ½ IRON @ 2 | TOP OF ½ IRON | 1206.55 |
| 6-4-86 | ½ IRON @ 3 | TOP OF ½ IRON | 1206.10 |
| 12-29-86 | ROD @ ASHBELL | TOP OF JSM CAP | 1206.76 |
| 12-29-86 | VILL. WELL 1 | TOP OF VALVE (SKETCH) | 1207.81 |
| 11-20-86 | VILL. WELL 2 | TOP OF FLANGE (SKETCH) | 1211.47 (POLLUTED) |







GROUND WATER SURFACE CONTOURS

n 30,600

@ GLADDING CORDAGE CORP, S. OTSELIC

REVISED 12/29/86
1) (LEVELS CHECKED & ROD SET IN CREEK WEST OF TOWN WELLS)
2) LIST of ℄. REVISED
REVISED 1-12-87 & SHOWN NEW ROD @ CRK. RIV & TB SHOW ACTUAL RIVER BANK WEST OF BRIDGE.

SURVEY DATE AS NOTED | SCALE: 1" = 200'


John S. MacNeill, Jr. P.C.
CONSULTING ENGINEERS & LAND SURVEYORS
P.O. BOX 320 (74 NORTH WEST STREET)
HOMER, NEW YORK 13077-0320
PHONE (607)-749-3944


JOB No. S-78-86

FIG 3

# INTRODUCTION

## AIR STRIPPING SYSTEM

### The Logical Choice for VOC Removal

Air Stripping is a technique for the effective removal of volatile organic compounds which are either dispersed or dissolved in water. The water is fed over a large surface area, maximizing the surface contact, between water and air, thus allowing the contaminants to be stripped from the water.

The ORS Air Stripping system quickly and economically removes volatile organic pollutants from water. Applications include numerous groundwater and wastewaters contaminated by volatile organic compounds.

Air Stripping is accomplished by a packed tower. Packed towers operate by trickling contaminated water downward against an upflow gas stream in a cylindrical column filled with packing that will provide extensive water/air contact area. A blower at the base of the tower forces air up through the falling water. The air and water flow is easily controlled in the tower to optimize the air to water ratio and maximize removal efficiencies. The air stripping system will be operated at an air to water ratio of 10:1 to 20:1 CFM/GPM.

| | | |
|---|---|---|
| Benzene | Ethylbenzene | 1,2 dichloroethylene |
| Toluene | Trichloroethylene | 1,1,1 trichloroethane |
| Xylene | 1,1 dichloroethylene | Tetrachloroethylene |
| | Chloroform | Napthelene |

Removal efficiencies for phenols will be approximately 30 percent. Increased removal efficiencies of approximately 99.5 can be accomplished with a single pass recycle loop.

Sch. 80 PVC influent pipe with sample port

Guy wire and turnbuckle assemblies

## Options

Input/Output pumps and hoses

10' & 5' tower extensions

Automatic level controls

Access manways

Overflow port

Winterization kits

Stainless steel, aluminum shell construction

Alternative packing types

Alternative distributor types

## Related Services

Pilot studies

Full scale design

Screening for biological fouling

Screening for inorganic fouling

Installation, Startup and Optimization

## Removal Efficiencies

Sizes and flow rates presented herein will provide removal efficiencies in excess of 99 percent for the following compounds:

# Technical Data Bulletin

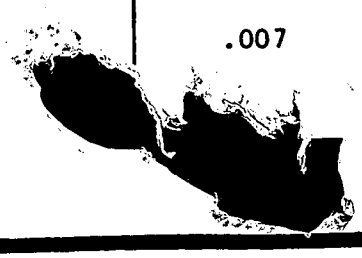
# Water Purification Systems

# Air Stripping

OIL RECOVERY SYSTEMS

AIR STRIPPING DATA SUMMARY

| CONTAMINANT | INFLUENT ppm | EFFLUENT ppm | % REMOVAL |
|---|---|---|---|
| Methylene chloride | .370 | .021 | 94.23 |
| | .150 | .0029 | 98.06 |
| 1,1 dichloroethylene | .210 | .0022 | 98.95 |
| | .230 | .0007 | 99.70 |
| 1,1 dichloroethane | .110 | .0006 | 99.45 |
| | .130 | (0.1 ppb ND) | 99.92 |
| 1,2 dichloroethylene | .140 | ND | 99.92 |
| | .200 | ND | 99.95 |
| | 1.2 | .0074 | 99.99 |
| 1,2 dichloroethane | .120 | .0006 | 99.50 |
| | .140 | ND | 99.93 |
| 1,1,1 trichloroethane | 21.0 | .110 | 99.48 |
| | 19.0 | .097 | 99.50 |
| Trichloroethylene | 21.0 | .086 | 99.59 |
| | 18.0 | .095 | 99.47 |
| | .650 | .0063 | 99.03 |
| Benzene | .420 | .003 | 99.28 |
| Toluene | 2.6 | .180 | 93.08 |
| Xylene(s) | .25 | .007 | 97.02 |



Oil Recovery Systems

1420 Providence Highway, Suite 128, Norwood, MA 02062 (617) 769-7600

TELEX 92-8420

15 (12-75)

New York State Department of Environmental Conservation

# MEMORANDUM

**TO:** Bob Edwards, Bureau of Eastern Remedial Action, DHWR
**FROM:** Alan Grant
**SUBJECT:** Gladding Cordage Corp.

**DATE:** October 26, 1987

Attached are analytical results from samples collected at the above site in May of 1984. The samples labeled "drum" were from drums of wastes stored at the site at that time. As such, the results may be similar to what we might expect from the samplings we conducted on September 29, and October 6, 1987.

If you have any questions, please call.

AG:ljd

Attachment

Versar

GC/MS
DATA SUMMARY

| SAMPLE NO. | POLLUTANTS DETECTED | CONCENTRATION | |
|---|---|---|---|
| P-784-V09-08 | 1,1,1-trichloroethane | 250,000 mg/l | Drum |
| | toluene | 460,000 mg/l | |
| | 4-methyl-2-pentanone | 240,000 mg/l | |
| P-784-V09-09 | 1,1,1-trichloroethane | 49,000 mg/l | Drum |
| | toluene | 650,000 mg/l | |
| | 4-methyl-2-pentanone | 40,000 mg/l | |
| R-283-005-06 | 1,1,1-trichloroethane | 540,000 mg/l | Drum |
| | toluene | 12,000 mg/l | |
| | 4-methyl-2-pentanone | 83,000 mg/l | |
| P-784-V09-12 | None quantified; see attached comment page. | | Drum |
| P-784-V09-13 | phenol | 2,290 mg/Kg | Drum |
| | bis(2-ethylhexyl)phthalate | 294,000 mg/Kg | |
| | di-n-butylphthalate | 4,480 mg/Kg | |
| | 4,4'-DDE | 80 mg/Kg | |
| | heptachlor epoxide | 14 mg/Kg | |
| | α-BHC | 19 mg/Kg | |
| | β-BHC | 55 mg/Kg | |
| | 1,1,1-trichloroethane | 540,000 mg/l | |
| | toluene | 12,000 mg/l | |
| | 4-methyl-2-pentanone | 140,000 mg/l | |
| P-784-V09-14 | 1,1,1-trichloroethane | 5,500 µg/Kg | Ditch Sediment |
| | α-endosulfan | 20 µg/Kg | |
| | α-BHC | 390 µg/Kg | |
| | β-BHC | 230 µg/Kg | |
| | δ-BHC | 140 µg/Kg | |
| | lindane | 220 µg/Kg | |
| P-784-V09-15 | fluoranthene | 82,900 µg/Kg | Front Sump |
| | n-nitrosodiphenylamine | 24,900 µg/Kg | |
| | benzo(a)anthracene | 46,100 µg/Kg | |
| | benzo(a)pyrene | 66,400 µg/Kg | |
| | benzo(a)fluoranthene | 34,100 µg/Kg | |
| | benzo(k)fluoranthene | 46,700 µg/Kg | |
| | chrysene | 51,200 µg/Kg | |
| | phenanthrene | 79,600 µg/Kg | |
| | indeno(1,2,3,-cd)pyrene | 48,800 µg/Kg | |
| | pyrene | 66,400 µg/Kg | |
| | 4,4'-DDD | 100 µg/Kg | |
| | α-BHC | 40 µg/Kg | |
| | δ-BHC | 200 µg/Kg | |
| | lindane | 150 µg/Kg | |
| | 1,1,1-trichloroethane | 4,000 µg/Kg | |
| | 1,1-dichloroethane | 180 µg/Kg | |
| | toluene | 73 µg/Kg | |
| | acetone | 1,800 µg/Kg | |
| | 4-methyl-2-pentanone | 1,500 µg/Kg | |

Attachment 2

0920 NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

Gladding Corp.

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64236 SAMPLE RECEIVED: 86/08/15/ CHARGE: 14.00
PROGRAM: 108 HAZARDOUS WASTE SITE-PRELIMINARY INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0852
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: FIELD BLANK GLADDINGS CORP SITE
DESCRIPTION: WITH SAMPLE #64226 TO 64235
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOLE PURGEABLE HALOCARBONE AND AROMATIC PURGEABLES
SAMPLE TYPE: 25T FIELD BLANK
TIME OF SAMPLING: 86/08 13 DATE PRINTED 86/08 1

ANALYSIS: 601 PURGEABLE HALOCARBONE. FR METHOD 601 (DES 310-12)

| PARAMETER | RESULT |
|---|---|
| T61009 CHLOROMETHANE | < 1. MCG/L |
| T61809 BROMOMETHANE | < 1 MCG/L |
| T41009 VINYL CHLORIDE | < 1. MCG/L |
| T70209 DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 CHLOROETHANE | < 1. MCG/L |
| T51709 TRICHLOROFLUOROMETHANE | < 1 MCG/L |
| T28804 METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1 MCG/L |
| T61909 1,1-DICHLOROETHENE | < 1. MCG/L |
| T61909 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T32009 CHLOROFORM | < 1. MCG/L |
| T50859 1,2-DICHLOROETHANE | < 1 MCG/L |
| T28609 1,1,1-TRICHLOROETHANE | < 1 MCG/L |
| T32609 CARBON TETRACHLORIDE | < 1. MCG/L |
| T50959 BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T61109 TRICHLOROETHYLENE | < 1. MCG/L |
| T44909 DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 2-CHLOROETHYLVINYL ETHER | < 1 MCG/L |
| T42109 BROMOFORM | < 1. MCG/L |
| T41909 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41309 TETRACHLOROETHENE | < 1 MCG/L |
| T40909 CHLOROBENZENE | < 1. MCG/L |
| T49709 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****

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TOWER BUILDING ROOM 359
ALBANY NY 12201

SUBMITTED BY: TUERS

SAMPLE ID: [illegible] 64236 SAMPLE RECEIVED: 86/08/15 CHARGE: 14.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: FIELD BLANK-GLADDINGS CORP SITE
TIME OF SAMPLING: 86/08/13 DATE PRINTED: 86/08/19

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT | |
|---|---|---|---|
| [illegible] | BENZENE | < 1 | MCG/L |
| T39303 | TOLUENE | < 1. | MCG/L |
| T51003 | ETHYLBENZENE | < 1. | MCG/L |
| T85203 | 1-CHLOROCYCLOHEXENE-1 | < 1. | MCG/L |
| T70403 | PARA-XYLENE | < 1 | MCG/L |
| T70303 | META-XYLENE | < 1. | MCG/L |
| [illegible] | ORTHO-XYLENE | < 1. | MCG/L |
| T85303 | CUMENE | < 1 | MCG/L |
| T45403 | STYRENE | < 1. | MCG/L |
| T85503 | P-BROMOFLUOROBENZENE | < 1. | MCG/L |
| T51103 | N-PROPYLBENZENE | < 1. | MCG/L |
| T85603 | TERT-BUTYLBENZENE | < 1. | MCG/L |
| [illegible] | O/P-CHLOROTOLUENE | < 1 | MCG/L |
| T51303 | BROMOBENZENE | < 1 | MCG/L |
| T85503 | META-CHLOROTOLUENE | < 1 | MCG/L |
| T85203 | 1,3,5-TRIMETHYLBENZENE | < 1. | MCG/L |
| T85903 | 1,2,4-TRIMETHYLBENZENE | < 1. | MCG/L |
| T85003 | P-CYMENE | < 1. | MCG/L |
| [illegible] | CYCLOPROPYLBENZENE | < 1 | MCG/L |
| T85103 | SEC-BUTYLBENZENE | < 1 | MCG/L |
| T85303 | N-BUTYLBENZENE | < 1 | MCG/L |
| [illegible] | 2,3-BENZOFURAN | < 1. | MCG/L |
| T85503 | HEXACHLOROBUTADIENE (C-46) | < 5. | MCG/L |
| T44003 | 1,2,4-TRICHLOROBENZENE | < 5. | MCG/L |
| [illegible] | NAPHTHALENE | < 5 | MCG/L |
| T41903 | 1,2,3-TRICHLOROBENZENE | < 5 | MCG/L |

**** END OF REPORT ****

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64228 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 100: MUNICIPAL WATER SUPPLIES
SOURCE ID: 1307000 DRAINAGE BASIN: 06 GAZETTEER CODE: 0862
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: SOUTH OTSELIC OTSELIC T
DESCRIPTION: GLADDINGS CORP SITE, WELL #1 PWS WELL PIT
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOLD PURGEABLE HALOCARBONS AND AROMATICS PURGEABLES
SAMPLE TYPE: 27: NATURAL WATERS, OTHER
TIME OF SAMPLING: 86/08 14 16.02 DATE PRINTED: 86/09 19

SAMPLE TYPE WAS NOT PROVIDED TO LAB.

ANALYSIS: 601 PURGEABLE HALOCARBONS FR METHOD 601 (DEC 31, 19

| | PARAMETER | RESULT | |
|---|---|---|---|
| T62009 | CHLOROMETHANE | < 1. | MCG/L |
| T61809 | BROMOMETHANE | < 1. | MCG/L |
| T41009 | VINYL CHLORIDE | < 1. | MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. | MCG/L |
| T61909 | CHLOROETHANE | < 1. | MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. | MCG/L |
| T39209 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. | MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. | MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. | MCG/L |
| T61309 | TRANS-1,2-DICHLOROETHENE | < 1. | MCG/L |
| T32009 | CHLOROFORM | < 1. | MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. | MCG/L |
| T24509 | 1,1,1-TRICHLOROETHANE | < 1. | MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. | MCG/L |
| T32909 | BROMODICHLOROMETHANE | < 1. | MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. | MCG/L |
| T61309 | TRANS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T61109 | TRICHLOROETHENE | < 1. | MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. | MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. | MCG/L |
| T61109 | 2-CHLOROETHYL VINYL ETHER | < 1. | MCG/L |
| T42109 | BROMOFORM | < 1. | MCG/L |
| T51909 | 1,1,2,2-TETRACHLOROETHANE | < 1. | MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. | MCG/L |
| T40909 | CHLOROBENZENE | < 1. | MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. | MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. | MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. | MCG/L |

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NYSDH WATER OPERATION SECTION
BUREAU OF PUBLIC WATER SUPPLY
EMPIRE STATE PLAZA
ALBANY, N.Y.

SUBMITTED BY: TUERS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH



RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 64228 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: SOUTH OTSELIC OTSELIC T
TIME OF SAMPLING: 86/08/14 16:02 DATE PRINTED: 86/08/19

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT |
|---|---|---|
| T34400 | BENZENE | < 1. MCG/L |
| T39200 | TOLUENE | < 1. MCG/L |
| T51000 | ETHYLBENZENE | < 1. MCG/L |
| T85200 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70400 | PARA-XYLENE | < 1. MCG/L |
| T70300 | META-XYLENE | < 1. MCG/L |
| T77400 | ORTHO-XYLENE | < 1. MCG/L |
| T77500 | CUMENE | < 1. MCG/L |
| T77540 | STYRENE | < 1. MCG/L |
| T85500 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51100 | N-PROPYLBENZENE | < 1. MCG/L |
| T85600 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85700 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T81200 | BROMOBENZENE | < 1. MCG/L |
| T85800 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85800 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85900 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86000 | P-CYMENE | < 1. MCG/L |
| T86100 | DICHLOROPROPYLBENZENE | < 1. MCG/L |
| T86200 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86300 | N-BUTYLBENZENE | < 1. MCG/L |
| T86400 | 2,3-BENZOFURAN | < 1 MCG/L |
| T77300 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44000 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T85500 | NAPHTHALENE | < 5. MCG/L |
| T49500 | 1,2,3-TRICHLOROBENZENE | < 5 MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25

| | PARAMETER | RESULT |
|---|---|---|
| T17000 | METHYL ETHYL KETONE | < 10. MCG/L |
| T70600 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42000 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

0906 NEW K STATE DEPARTMENT OF HEA H
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64229 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 108: HAZARDOUS WASTE SITE-PRELIMINARY INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0862
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
DESCRIPTION: NYS DEC FISH HATCHERY RT 26 CWT OFFICE
REPORTING LAB TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: V8.0 PURGEABLE HALOCARBONS AND AROMATICS PURGEABLES
SAMPLE TYPE: 110: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 86/08 14 15:33 DATE PRINTED: 86/08/19

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| PARAMETER | RESULT | |
|---|---|---|
| T43000 CHLOROMETHANE | < 1. | MCG/L |
| T43100 BROMOMETHANE | < 1. | MCG/L |
| T41000 VINYL CHLORIDE | < 1 | MCG/L |
| T70300 DICHLORODIFLUOROMETHANE | < 1. | MCG/L |
| T43200 CHLOROETHANE | < 1. | MCG/L |
| T43175 TRICHLOROFLUOROMETHANE | < 1 | MCG/L |
| T43813 METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1 | MCG/L |
| T43123 1,1-DICHLOROETHENE | < 1 | MCG/L |
| T43122 1,1-DICHLOROETHANE | < 1 | MCG/L |
| T43120 TRANS-1,2-DICHLOROETHENE | < 1 | MCG/L |
| T43010 CHLOROFORM | < 1 | MCG/L |
| T43031 1,2-DICHLOROETHANE | < 1 | MCG/L |
| T43020 1,1,1-TRICHLOROETHANE | 8 | MCG/L |
| T43615 CARBON TETRACHLORIDE | < 1 | MCG/L |
| T43040 BROMODICHLOROMETHANE | < 1 | MCG/L |
| T43130 1,2-DICHLOROPROPANE | < 1 | MCG/L |
| T43150 TRANS-1,3-DICHLOROPROPENE | < 1 | MCG/L |
| T43135 TRICHLOROETHENE | < 1 | MCG/L |
| T43250 DIBROMOCHLOROMETHANE | < 1 | MCG/L |
| T43140 CIS-1,3-DICHLOROPROPENE | < 1 | MCG/L |
| T43170 1,1,2-TRICHLOROETHANE | < 1 | MCG/L |
| T43110 2-CHLOROETHYLVINYL ETHER | < 1 | MCG/L |
| T43210 BROMOFORM | < 1. | MCG/L |
| T43121 1,1,2,2-TETRACHLOROETHANE | < 1 | MCG/L |
| T41200 TETRACHLOROETHENE | < 1 | MCG/L |
| T43090 CHLOROBENZENE | < 1. | MCG/L |
| T43705 1,3-DICHLOROBENZENE | < 1. | MCG/L |
| T44100 1,2-DICHLOROBENZENE | < 1. | MCG/L |
| T44200 1,4-DICHLOROBENZENE | < 1 | MCG/L |

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TOWER BUILDING ROOM 359
ALBANY NY 12201

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH



RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 64229 SAMPLE RECEIVED: 86/09/15/ CHARGE: 24.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
TIME OF SAMPLING: 86/09 14 15 33 DATE PRINTED: 86/10/13

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| PARAMETER | RESULT |
|---|---|
| T2210P BENZENE | < 1. MCG/L |
| T5810P TOLUENE | < 1. MCG/L |
| T8100P ETHYLBENZENE | < 1. MCG/L |
| T8600P 1-CHLOROTOLUENE-1 | < 1. MCG/L |
| T7040P PARA-XYLENE | < 1. MCG/L |
| T7030P META-XYLENE | < 1. MCG/L |
| T7050P ORTHO-XYLENE | < 1. MCG/L |
| T8310P STYRENE | < 1. MCG/L |
| T8610P BROMOBENZENE | < 1. MCG/L |
| T8611P N-PROPYLBENZENE | < 1. MCG/L |
| T8612P TERT-BUTYLBENZENE | < 1. MCG/L |
| T8613P 1,2-DICHLOROETHYLENE | < 1. MCG/L |
| T8614P 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T8615P 1,4-DICHLOROBENZENE | < 1. MCG/L |
| T8616P 1,2,3-TRIMETHYLBENZENE | < 1. MCG/L |
| T8617P 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T8618P P-CYMENE | < 1. MCG/L |
| T8619P DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T8620P SEC-BUTYLBENZENE | < 1. MCG/L |
| T8621P N-BUTYLBENZENE | < 1. MCG/L |
| T8622P 2-BENZOTHIOPHEN | < 5. MCG/L |
| T8623P HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T4401P 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T8624P NAPHTHALENE | < 5. MCG/L |
| T8625P 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)

| PARAMETER | RESULT |
|---|---|
| T1710P METHYL ETHYL KETONE | < 10 MCG/L |
| T7080P METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T4200P ACETONE | < 10. MCG/L |

**** END OF REPORT ****

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64230 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 100 MUNICIPAL WATER SUPPLIES
SOURCE ID: 1307000 DRAINAGE BASIN: 06 GAZETTEER CODE: 0862
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: SOUTH OTSELIC OTSELIC T
DESCRIPTION: GLADDING CORP SITE, OTSELIC VALLEY H.S., MAPLE AV, WELL#1CWT
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL: PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 01: FINISHED WATER - CHLORINATED
TIME OF SAMPLING: 86/08 14 14:40 DATE PRINTED 86/08

ANALYSIS 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-15

| PARAMETER | | RESULT | |
|---|---|---|---|
| T82208 | CHLOROMETHANE | < 1. | MCG/L |
| T81908 | BROMOMETHANE | < 1. | MCG/L |
| T41608 | VINYL CHLORIDE | < 1. | MCG/L |
| T70208 | DICHLORODIFLUOROMETHANE | < 1. | MCG/L |
| T61508 | CHLOROETHANE | < 1. | MCG/L |
| T61708 | TRICHLOROFLUOROMETHANE | < 1. | MCG/L |
| T82618 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. | MCG/L |
| T50108 | 1,1-DICHLOROETHENE | < 1. | MCG/L |
| T61108 | 1,1-DICHLOROETHANE | < 1. | MCG/L |
| T61208 | TRANS-1,2-DICHLOROETHENE | < 1. | MCG/L |
| T67508 | CHLOROFORM | < 1. | MCG/L |
| T82608 | 1,2-DICHLOROETHANE | < 1. | MCG/L |
| T23608 | 1,1,1-TRICHLOROETHANE | 8 | MCG/L |
| T32108 | CARBON TETRACHLORIDE | < 1. | MCG/L |
| T82708 | BROMODICHLOROMETHANE | < 1. | MCG/L |
| T61308 | 1,2-DICHLOROPROPANE | < 1 | MCG/L |
| T61508 | TRANS-1,3-DICHLOROPROPENE | < 1 | MCG/L |
| T61108 | TRICHLOROETHENE | < 1. | MCG/L |
| T24408 | DIBROMOCHLOROMETHANE | < 1. | MCG/L |
| T61408 | CIS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T51708 | 1,1,2-TRICHLOROETHANE | < 1. | MCG/L |
| T61108 | 2-CHLOROETHYLVINYL ETHER | < 1. | MCG/L |
| T42108 | BROMOFORM | < 1. | MCG/L |
| T81808 | 1,1,2,2-TETRACHLOROETHANE | < 1. | MCG/L |
| T41208 | TETRACHLOROETHENE | < 1. | MCG/L |
| T40908 | CHLOROBENZENE | < 1. | MCG/L |
| T49708 | 1,3-DICHLOROBENZENE | < 1. | MCG/L |
| T44108 | 1,2-DICHLOROBENZENE | < 1. | MCG/L |
| T44208 | 1,4-DICHLOROBENZENE | < 1. | MCG/L |

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INTERAGENCY
NYSDH WATER OPERATION SECTION
BUREAU OF PUBLIC WATER SUPPLY
EMPIRE STATE PLAZA
ALBANY, N.Y.

SUBMITTED BY: TUERS

0429

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 2 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64230 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
POLITICAL SUBDIVISION OTSELIC COUNTY: CHENANGO
LOCATION: SOUTH OTSELIC OTSELIC T
TIME OF SAMPLING: 86/08/14 14:40 DATE PRINTED: 86/08/15

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| PARAMETER | | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1 MCG/L |
| T51009 | ETHYLBENZENE | < 1 MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T91109 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51309 | BROMOBENZENE | < 1. MCG/L |
| T85809 | META-CHLOROTOLUENE | < 1 MCG/L |
| T85609 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1 MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1 MCG/L |
| T86309 | N-BUTYLBENZENE | < 1 MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52909 | HEXACHLOROBUTADIENE (C-46) | < 5 MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T85609 | NAPHTHALENE | < 5 MCG/L |
| T42909 | 1,2,3-TRICHLOROBENZENE | < 5 MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)

| PARAMETER | | RESULT |
|---|---|---|
| T17009 | METHYL ETHYL KETONE | < 10. MCG/L |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42009 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

NEW Y[illegible] STATE DEPARTMENT OF HEA[illegible]
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64231 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 100: MUNICIPAL WATER SUPPLIES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0852
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
DESCRIPTION: HARMON DUTTON RES., GLADDING ST., CWT KITCHEN
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOLE PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 120: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 86/08 14 14.30 DATE PRINTED: 86 08 19

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-10)

| | PARAMETER | RESULT |
|---|---|---|
| T42013 | CHLOROMETHANE | < 1. MCG/L |
| T41813 | BROMOMETHANE | < 1. MCG/L |
| T41000 | VINYL CHLORIDE | < 1. MCG/L |
| T70203 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61703 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T29813 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T30413 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T61703 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61803 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T29903 | CHLOROFORM | < 1. MCG/L |
| T30803 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23003 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T32813 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T32903 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61303 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61913 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41103 | TRICHLOROETHENE | < 1. MCG/L |
| T81813 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61403 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T61703 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61103 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42103 | BROMOFORM | < 1. MCG/L |
| T61903 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41203 | TETRACHLOROETHENE | < 1. MCG/L |
| T40903 | CHLOROBENZENE | < 1. MCG/L |
| T44703 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****

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SUBMITTED BY: TUERS

NEW [redacted]RK STATE DEPARTMENT OF HE[redacted]H
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH



RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID 64231 SAMPLE RECEIVED 86/08/15 CHARGE 24.00
POLITICAL SUBDIVISION OTSELIC COUNTY CHENANGO
LOCATION GLADDING CORP SITE SOUTH OTSELIC
TIME OF SAMPLING: 86/08/14 14:30 DATE PRINTED 86/08/19

ANALYSIS 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T95209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T95409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T95709 | O-P-CHLOROTOLUENE | < 1. MCG/L |
| T81209 | BROMOBENZENE | < 1. MCG/L |
| T81509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T61009 | P-CYMENE | < 1. MCG/L |
| T95109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T95409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T81509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T85509 | NAPHTHALENE | < 5. MCG/L |
| T81909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)

| | PARAMETER | RESULT | |
|---|---|---|---|
| T17009 | METHYL ETHYL KETONE | < 10 MCG/L | |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L | |
| T42009 | ACETONE | 10. MCG/L | PL |

**** END OF REPORT ****

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64232 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 108: HAZARDOUS WASTE SITE-PRELIMINARY INVESTIGATION
SOURCE ID: DRAINAGE BASIN GAZETTEER CODE: 0862
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
DESCRIPTION: BILL MAAS LAUNDROMAT RT 26 LCWT MAAS RES, KIT
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL-2 PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 13: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 86/08 14 15 50 DATE PRINTED: 86 08 18

ANALYSIS 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| PARAMETER | RESULT | |
|---|---|---|
| T42009 CHLOROMETHANE | < 1. | MCG/L |
| T61309 BROMOMETHANE | < 1. | MCG/L |
| T41009 VINYL CHLORIDE | < 1. | MCG/L |
| T70209 DICHLORODIFLUOROMETHANE | < 1. | MCG/L |
| T61909 CHLOROETHANE | < 1. | MCG/L |
| T61709 TRICHLOROFLUOROMETHANE | < 1. | MCG/L |
| T22809 METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. | MCG/L |
| T50909 1,1-DICHLOROETHENE | < 1. | MCG/L |
| T51909 1,1-DICHLOROETHANE | < 1. | MCG/L |
| T61209 TRANS-1,2-DICHLOROETHENE | < 1. | MCG/L |
| T39009 CHLOROFORM | < 1. | MCG/L |
| T50809 1,2-DICHLOROETHANE | < 1. | MCG/L |
| T23609 1,1,1-TRICHLOROETHANE | < 1. | MCG/L |
| T36609 CARBON TETRACHLORIDE | < 1. | MCG/L |
| T30704 BROMODICHLOROMETHANE | < 1. | MCG/L |
| T61309 1,2-DICHLOROPROPANE | < 1. | MCG/L |
| T61509 TRANS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T61109 TRICHLOROETHENE | < 1. | MCG/L |
| T44809 DIBROMOCHLOROMETHANE | < 1. | MCG/L |
| T61409 CIS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T61709 1,1,2-TRICHLOROETHANE | < 1. | MCG/L |
| T61109 2-CHLOROETHYLVINYL ETHER | < 1. | MCG/L |
| T42109 BROMOFORM | < 1. | MCG/L |
| T51809 1,1,2,2-TETRACHLOROETHANE | < 1. | MCG/L |
| T41309 TETRACHLOROETHENE | 1 | MCG/L |
| T40909 CHLOROBENZENE | < 1 | MCG/L |
| T49709 1,3-DICHLOROBENZENE | < 1. | MCG/L |
| T44109 1,2-DICHLOROBENZENE | < 1. | MCG/L |
| T44209 1,4-DICHLOROBENZENE | < 1 | MCG/L |

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NY STATE DEP'T OF HEALTH
TOWER BUILDING ROOM 359
ALBANY NY 12201

SUBMITTED BY: TUERS

0911

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH



RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 64232 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
TIME OF SAMPLING: 86/08/14 15:50 DATE PRINTED: 86/08/19

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| PARAMETER | | RESULT | | |
|---|---|---|---|---|
| T5140P | BENZENE | < 1. | MCG/L | |
| T5920P | TOLUENE | < 1 | MCG/L | |
| T5100P | ETHYLBENZENE | < 1 | MCG/L | |
| T8520P | 1-CHLOROCYCLOHEXENE-1 | < 1. | MCG/L | |
| T7040P | PARA-XYLENE | < 1. | MCG/L | |
| T7030P | META-XYLENE | < 1. | MCG/L | |
| T5140P | ORTHO-XYLENE | < 1 | MCG/L | |
| T8530P | CUMENE | < 1 | MCG/L | |
| T8540P | ETHRENE | < 1 | MCG/L | |
| T5950P | P-BROMOFLUOROBENZENE | < 1. | MCG/L | |
| T5110P | N-PROPYLBENZENE | < 1 | MCG/L | |
| T8560P | TERT-BUTYLBENZENE | < 1 | MCG/L | |
| T8570P | 2-P-CHLOROTOLUENE | < 1 | MCG/L | |
| T5120P | BROMOBENZENE | < 1 | MCG/L | |
| T5C50P | META-CHLOROTOLUENE | < 1 | MCG/L | |
| T8580P | 1,3,5-TRIMETHYLBENZENE | < 1 | MCG/L | |
| T8590P | 1,2,4-TRIMETHYLBENZENE | < 1 | MCG/L | |
| T8600P | P-CYMENE | < 1. | MCG/L | |
| T8610P | CYCLOPROPYLBENZENE | < 1 | MCG/L | |
| T8620P | SEC-BUTYLBENZENE | < 1 | MCG/L | |
| T8630P | N-BUTYLBENZENE | < 1 | MCG/L | |
| T8640P | 2,3-BENZOFURAN | < 1. | MCG/L | |
| T5250P | HEXACHLOROBUTADIENE (C-46) | < 5 | MCG/L | |
| T1400P | 1,2,4-TRICHLOROBENZENE | < 5 | MCG/L | |
| T8650P | NAPHTHALENE | < 5 | MCG/L | |
| T1390P | 1,2,3-TRICHLOROBENZENE | < 5 | MCG/L | |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)

| PARAMETER | | RESULT | | |
|---|---|---|---|---|
| T1700P | METHYL ETHYL KETONE | < 10 | MCG/L | |
| T7060P | METHYL ISOBUTYL KETONE | < 10 | MCG/L | |
| T4200P | ACETONE | 10. | MCG/L | PL |

**** END OF REPORT ****

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64233 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 100 MUNICIPAL WATER SUPPLIES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0068
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
DESCRIPTION: HUNTLEY RES., GLADDING ST., KITCHEN TAP
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOC: PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 01: FINISHED WATER - CHLORINATED
TIME OF SAMPLING: 86/08/14 14 05 DATE PRINTED 86/08/15

ANALYSIS: 601 PURGEABLE HALOCARBONS. FR METHOD 601 (DES 310-1E

| PARAMETER | | RESULT |
|---|---|---|
| T32309 | CHLOROMETHANE | < 1. MCG/L |
| T34159 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T77029 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T51709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T43859 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50809 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T32109 | CHLOROFORM | < 1. MCG/L |
| T50909 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T22609 | 1,1,1-TRICHLOROETHANE | 2 MCG/L |
| T32609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T32909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41709 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51309 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64233 SAMPLE RECEIVED 86/08/15/ CHARGE: 24.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
TIME OF SAMPLING: 86/08/14 14:05 DATE PRINTED: 86/08/1[illegible]

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1 MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1 MCG/L |
| T85209 | 1-CHLORODYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T91409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1 MCG/L |
| T85409 | STYRENE | < 1 MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1 MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1 MCG/L |
| T81209 | BROMOBENZENE | < 1 MCG/L |
| T85909 | META-CHLOROTOLUENE | < 1 MCG/L |
| T85309 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1 MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1 MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T82509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44309 | 1,2,4-TRICHLOROBENZENE | < 5 MCG/L |
| T85209 | NAPHTHALENE | < 5 MCG/L |
| T82309 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25

| | PARAMETER | RESULT |
|---|---|---|
| T17209 | METHYL ETHYL KETONE | < 10 MCG/L |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42009 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH NTER FOR LABORATORIES AND ESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64234 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 100 MUNICIPAL WATER SUPPLIES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0862
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
DESCRIPTION: KEN MORSE, GORGE AV, WELL #1 CWT OUTSIDE HYDRANT
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2: PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 020: FINISHED WATER - CHLORINATED
TIME OF SAMPLING: 86/05 14 15:20 DATE PRINTED 86/08/19

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| PARAMETER | | RESULT | |
|---|---|---|---|
| T82108 | CHLOROMETHANE | < 1. | MCG/L |
| T81808 | BROMOMETHANE | < 1. | MCG/L |
| T41608 | VINYL CHLORIDE | < 1. | MCG/L |
| T70208 | DICHLORODIFLUOROMETHANE | < 1. | MCG/L |
| T61908 | CHLOROETHANE | < 1. | MCG/L |
| T51708 | TRICHLOROFLUOROMETHANE | < 1. | MCG/L |
| T28308 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1 | MCG/L |
| T30908 | 1,1-DICHLOROETHENE | < 1 | MCG/L |
| T51908 | 1,1-DICHLOROETHANE | 1 | MCG/L |
| T61208 | TRANS-1,2-DICHLOROETHENE | < 1. | MCG/L |
| T39008 | CHLOROFORM | < 1. | MCG/L |
| T50208 | 1,2-DICHLOROETHANE | < 1 | MCG/L |
| T23608 | 1,1,1-TRICHLOROETHANE | 5 | MCG/L |
| T36608 | CARBON TETRACHLORIDE | < 1. | MCG/L |
| T32908 | BROMODICHLOROMETHANE | < 1. | MCG/L |
| T61308 | 1,2-DICHLOROPROPANE | < 1. | MCG/L |
| T61508 | TRANS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T41108 | TRICHLOROETHENE | < 1 | MCG/L |
| T44408 | DIBROMOCHLOROMETHANE | < 1 | MCG/L |
| T61408 | CIS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T51708 | 1,1,2-TRICHLOROETHANE | < 1. | MCG/L |
| T61108 | 2-CHLOROETHYLVINYL ETHER | < 1. | MCG/L |
| T42108 | BROMOFORM | < 1. | MCG/L |
| T51908 | 1,1,2,2-TETRACHLOROETHANE | < 1. | MCG/L |
| T41208 | TETRACHLOROETHENE | < 1. | MCG/L |
| T40508 | CHLOROBENZENE | < 1. | MCG/L |
| T49708 | 1,3-DICHLOROBENZENE | < 1. | MCG/L |
| T44108 | 1,2-DICHLOROBENZENE | < 1. | MCG/L |
| T44208 | 1,4-DICHLOROBENZENE | < 1. | MCG/L |

**** CONTINUED ON NEXT PAGE ****

COPIES SENT TO: CO(2), RO(2), LPHE(1), FED( ), INFO-P( ), INFO-L( )

INTERAGENCY
NYSDH WATER OPERATION SECTION
BUREAU OF PUBLIC WATER SUPPLY
EMPIRE STATE PLAZA
ALBANY, N.Y.

SUBMITTED BY: TUERS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64234 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
TIME OF SAMPLING: 86/08/14 15:20 DATE PRINTED: 86/08/19

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T91409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T85059 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T85109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T86509 | NAPHTHALENE | < 5. MCG/L |
| T43509 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)

| | PARAMETER | RESULT |
|---|---|---|
| T17009 | METHYL ETHYL KETONE | < 10. MCG/L |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42009 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64235 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
PROGRAM: 108: HAZARDOUS WASTE SITE-PRELIMINARY INVESTIGATION
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0952
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
DESCRIPTION: LEONARD WIDRICK RESIDENCE, ELM ST., CWT KITCHEN
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2: PURGEABLE HALOCARBONS AND AROMATICS PURGEABLES
SAMPLE TYPE: 130: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 86/08 14 15.06 DATE PRINTED 86/08/18

ANALYSIS: 601 PURGEABLE HALOCARBONS. FR METHOD 601 (DES 310-18)

| PARAMETER | RESULT | |
|---|---|---|
| T82108 CHLOROMETHANE | < 1. | MCG/L |
| T81808 BROMOMETHANE | < 1. | MCG/L |
| T41008 VINYL CHLORIDE | < 1. | MCG/L |
| T70208 DICHLORODIFLUOROMETHANE | < 1. | MCG/L |
| T51908 CHLOROETHANE | < 1. | MCG/L |
| T43108 TRICHLOROFLUOROMETHANE | < 1. | MCG/L |
| T29808 METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. | MCG/L |
| T50108 1,1-DICHLOROETHENE | < 1. | MCG/L |
| T51008 1,1-DICHLOROETHANE | 1 | MCG/L |
| T61208 TRANS-1,2-DICHLOROETHENE | < 1. | MCG/L |
| T32108 CHLOROFORM | < 1. | MCG/L |
| T50208 1,2-DICHLOROETHANE | < 1. | MCG/L |
| T23508 1,1,1-TRICHLOROETHANE | 1 | MCG/L |
| T32808 CARBON TETRACHLORIDE | < 1. | MCG/L |
| T32508 BROMODICHLOROMETHANE | < 1. | MCG/L |
| T61308 1,2-DICHLOROPROPANE | < 1. | MCG/L |
| T61518 TRANS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T41108 TRICHLOROETHENE | < 1. | MCG/L |
| T44208 DIBROMOCHLOROMETHANE | < 1. | MCG/L |
| T61408 CIS-1,3-DICHLOROPROPENE | < 1. | MCG/L |
| T51208 1,1,2-TRICHLOROETHANE | < 1. | MCG/L |
| T61108 2-CHLOROETHYLVINYL ETHER | < 1. | MCG/L |
| T42108 BROMOFORM | < 1. | MCG/L |
| T51808 1,1,2,2-TETRACHLOROETHANE | < 1. | MCG/L |
| T41308 TETRACHLOROETHENE | < 1. | MCG/L |
| T40908 CHLOROBENZENE | < 1. | MCG/L |
| T49708 1,3-DICHLOROBENZENE | < 1. | MCG/L |
| T44108 1,2-DICHLOROBENZENE | < 1. | MCG/L |
| T44208 1,4-DICHLOROBENZENE | < 1. | MCG/L |

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RON TRAMONTANO
BUREAU OF TOXIC SUBSTANCES ASSESSMENT
NY STATE DEP'T OF HEALTH
TOWER BUILDING ROOM 359
ALBANY NY 12201

SUBMITTED BY: TUERS

0917 NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH NTER FOR LABORATORIES AND ESEARCH

PAGE 2 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 64235 SAMPLE RECEIVED: 86/08/15/ CHARGE: 24.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: GLADDING CORP SITE SOUTH OTSELIC
TIME OF SAMPLING: 86/08/14 15:06 DATE PRINTED: 86/08/19

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT |
|---|---|---|
| T81407 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T81009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T81409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T81209 | BROMOBENZENE | < 1. MCG/L |
| T85809 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85209 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T82509 | HEXACHLOROBUTADIENE (C-46) | < 5 MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5 MCG/L |
| T81909 | NAPHTHALENE | < 5 MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5 MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-35)

| | PARAMETER | RESULT |
|---|---|---|
| T17009 | METHYL ETHYL KETONE | < 10. MCG/L |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42009 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

WADSWORTH ER FOR LABORATORIES AND EARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 62711 SAMPLE RECEIVED: 86/06/12/ CHARGE: 28.50
PROGRAM: 106: BUREAU OF TOXIC SUBSTANCES ASSESSMENT
SOURCE ID: DRAINAGE BASIN: 06 GAZETTEER CODE: 0862
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: SO OTSELIC WATER DIST
DESCRIPTION: WELL #1
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2: PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 021: FINISHED WATER, CHLORINATED - SURVEILLANCE
TIME OF SAMPLING: 86/06/10 15:00 DATE PRINTED: 86/07/31

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

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MR. RON TRAMONTANO
BUREAU OF TOXIC SUBSTANCES ASSESSMENT
NY STATE DEP'T OF HEALTH
TOWER BUILDING ROOM 359
ALBANY NY 12201

SUBMITTED BY: GREEN

SAMPLE ID: 62711 SAMPLE RECEIVED: 86/06/12/ CHARGE: 28.50
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: SO OTSELIC WATER DIST
TIME OF SAMPLING: 86/06/10 15:00 DATE PRINTED: 86/07/31

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/06/19 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: XPEST ORGANOCHLORINE PESTICIDES (DES 310-2)
DATE REPORTED: 86/06/26 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T15709 | HCH, ALPHA | < 0.04 MCG/L |
| T15809 | HCH, BETA | < 0.04 MCG/L |
| T35609 | HCH, GAMMA (LINDANE) | < 0.04 MCG/L |
| T16009 | HCH, DELTA | < 0.04 MCG/L |
| T08009 | HEPTACHLOR | < 0.05 MCG/L |
| T07709 | ALDRIN | < 0.02 MCG/L |
| T08309 | HEPTACHLOR EPOXIDE | < 0.05 MCG/L |
| T43309 | ENDOSULFAN I | < 0.05 MCG/L |
| T14809 | DDE -PARA, PARA | < 0.05 MCG/L |
| T08509 | DIELDRIN | < 0.02 MCG/L |
| T08409 | ENDRIN | < 0.02 MCG/L |
| T14909 | DDD -PARA, PARA | < 0.05 MCG/L |

**** CONTINUED ON NEXT PAGE ****

SAMPLE ID: 62711 SAMPLE RECEIVED: 86/06/12/ CHARGE: 28.50
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: SO OTSELIC WATER DIST
TIME OF SAMPLING: 86/06/10 15:00 DATE PRINTED: 86/07/31

| | PARAMETER | RESULT |
|---|---|---|
| T43409 | ENDOSULFAN II | < 0.05 MCG/L |
| T67409 | ENDRIN ALDEHYDE | < 0.02 MCG/L |
| T67309 | ENDOSULFAN SULFATE | < 0.05 MCG/L |
| T14709 | DDT -PARA, PARA | < 0.05 MCG/L |
| T08209 | METHOXYCHLOR | < 1.0 MCG/L |
| T35509 | TOXAPHENE | < 1.0 MCG/L |
| T08609 | CHLORDANE | < 0.1 MCG/L |

ANALYSIS: 625A ACIDS - F.R METHOD 625 (DES 310-8)
DATE REPORTED: 86/06/25 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T67109 | PHENOL | < 10. MCG/L |
| T66409 | 2-CHLOROPHENOL | < 10. MCG/L |
| T66809 | 2-NITROPHENOL | < 10. MCG/L |
| T66609 | 2,4-DIMETHYLPHENOL | < 10. MCG/L |
| T66509 | 2,4-DICHLOROPHENOL | < 10. MCG/L |
| T66309 | 4-CHLORO-3-METHYLPHENOL | < 10. MCG/L |
| T67209 | 2,4,6-TRICHLOROPHENOL | < 10. MCG/L |
| T49609 | 2,4,5-TRICHLOROPHENOL | < 10. MCG/L |
| T66709 | 2,4-DINITROPHENOL | < 10. MCG/L |
| T66909 | 4-NITROPHENOL | < 10. MCG/L |
| T68509 | 2-METHYL-4,6-DINITROPHENOL | < 10. MCG/L |
| T67009 | PENTACHLOROPHENOL | < 10. MCG/L |

ANALYSIS: 625BN BASE/NEUTRALS - F.R. METHOD 625 (DES 310-8)
DATE REPORTED: 86/06/25 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T63909 | BIS(2-CHLOROETHYL)ETHER | < 10. MCG/L |
| T65909 | N-NITROSODI-N-PROPYLAMINE | < 10. MCG/L |
| T65309 | HEXACHLOROETHANE | < 10. MCG/L |
| T65709 | NITROBENZENE | < 10. MCG/L |
| T65509 | ISOPHORONE | < 10. MCG/L |
| T68609 | BIS(2-CHLOROETHOXY)METHANE | < 10. MCG/L |
| T49209 | HEXACHLOROCYCLOPENTADIENE (C-56) | < 10. MCG/L |
| T64109 | 2-CHLORONAPHTHALENE | < 10. MCG/L |
| T64909 | 2,6-DINITROTOLUENE | < 10. MCG/L |
| T63109 | ACENAPHTHYLENE | < 10. MCG/L |
| T64709 | DIMETHYLPHTHALATE | < 10. MCG/L |
| T63009 | ACENAPHTHENE | < 10. MCG/L |
| T64809 | 2,4-DINITROTOLUENE | < 10. MCG/L |
| T64609 | DIETHYLPHTHALATE | < 10. MCG/L |
| T65209 | FLUORENE | < 10. MCG/L |
| T66009 | N-NITROSODIPHENYLAMINE | < 10. MCG/L |
| T65109 | 1,2-DIPHENYLHYDRAZINE | < 10. MCG/L |
| T68309 | 4-BROMOPHENYL PHENYL ETHER | < 10. MCG/L |
| T48809 | HEXACHLOROBENZENE | < 10. MCG/L |

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NEW STATE DEPARTMENT OF HEA
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 4 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 62711 SAMPLE RECEIVED: 86/06/12/ CHARGE: 28.50
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: SO OTSELIC WATER DIST
TIME OF SAMPLING: 86/06/10 15:00 DATE PRINTED: 86/07/31

| | PARAMETER | RESULT | |
|---|---|---|---|
| T66109 | PHENANTHRENE | < 10. | MCG/L |
| T63209 | ANTHRACENE | < 10. | MCG/L |
| T64409 | DI-N-BUTYLPHTHALATE | < 10. | MCG/L |
| T68009 | FLUORANTHENE | < 10. | MCG/L |
| T66209 | PYRENE | < 10. | MCG/L |
| T63809 | BENZIDINE | < 200. | MCG/L |
| T64009 | BUTYL BENZYL PHTHALATE | < 30. | MCG/L |
| T63309 | BENZO(A)ANTHRACENE | < 30. | MCG/L |
| T64509 | 3,3'-DICHLOROBENZIDINE | < 30. | MCG/L |
| T64209 | CHRYSENE | < 30. | MCG/L |
| T67909 | BIS(2-ETHYLHEXYL)PHTHALATE | < 30. | MCG/L |
| T65009 | DI-N-OCTYL PHTHALATE | < 30. | MCG/L |
| T63409 | BENZO(B)FLUORANTHENE | < 30. | MCG/L |
| T63509 | BENZO(K)FLUORANTHENE | < 30. | MCG/L |
| T63609 | BENZO(A)PYRENE | < 30. | MCG/L |
| T65409 | INDENO(1,2,3-CD)PYRENE | < 30. | MCG/L |
| T64309 | DIBENZO(A,H)ANTHRACENE | < 30. | MCG/L |
| T63709 | BENZO(GHI)PERYLENE | < 30. | MCG/L |

**** END OF REPORT ****

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 62713 SAMPLE RECEIVED: 86/06/12/ CHARGE: 14.00
PROGRAM: 106: BUREAU OF TOXIC SUBSTANCES ASSESSMENT
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0862
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: FIELD BLANK
DESCRIPTION: WITH SAMPLE #62711 TO 62712
REPORTING LAB: TOX: LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2: PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 297: FIELD BLANK
TIME OF SAMPLING: 86/03/27 : DATE PRINTED: 86/07/31

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****

COPIES SENT TO: CO(2), RO(2), LPHE(2), FED(0), INFO-P(0), INFO-L(0)

MR. RON TRAMONTANO
BUREAU OF TOXIC SUBSTANCES ASSESSMENT
NY STATE DEP'T OF HEALTH
TOWER BUILDING ROOM 359
ALBANY NY 12201

SUBMITTED BY: GREEN

NEW YI STATE DEPARTMENT OF HEAI
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH



RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 62713 SAMPLE RECEIVED: 86/06/12/ CHARGE: 14.00
POLITICAL SUBDIVISION: OTSELIC COUNTY: CHENANGO
LOCATION: FIELD BLANK
TIME OF SAMPLING: 86/03/27 : DATE PRINTED: 86/07/31

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/06/19 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

**** END OF REPORT ****

C336

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65671 SAMPLE RECEIVED:86/10/30/ CHARGE: 14.00
PROGRAM: 100:MUNICIPAL WATER SUPPLIES
SOURCE ID: 1307000 DRAINAGE BASIN:06 GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: SOUTH OTSELIC OTSELIC T
DESCRIPTION:MORSE PES.,DIST SAMPLE A
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 021:FINISHED WATER, CHLORINATED - SURVEILLANCE
TIME OF SAMPLING: 86/10/27 14: DATE PRINTED:86/11/05

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****

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INTERAGENCY
NYSDH WATER OPERATION SECTION
BUREAU OF PUBLIC WATER SUPPLY
EMPIRE STATE PLAZA
ALBANY, N.Y.

SUBMITTED BY:GREEN

0337 NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH C TER FOR LABORATORIES AND SEARCH

PAGE 2 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65671 SAMPLE RECEIVED:86/10/30/ CHARGE: 14.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC OTSELIC T
TIME OF SAMPLING: 86/10/27 14: DATE PRINTED:86/11/05

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

**** END OF REPORT ****

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65672 SAMPLE RECEIVED:86/10/30/ CHARGE: 14.00
PROGRAM: 100:MUNICIPAL WATER SUPPLIES
SOURCE ID: 1307000 DRAINAGE BASIN:06 GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: SOUTH OTSELIC OTSELIC T
DESCRIPTION:WELL #1 SAMPLE B
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 021:FINISHED WATER, CHLORINATED - SURVEILLANCE
TIME OF SAMPLING: 86/10/27 14: DATE PRINTED:86/11/05

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****

COPIES SENT TO: CO(1), RO(1), LPHE(2), FED( ), INFO-P( ), INFO-L( )

INTERAGENCY
NYSDH WATER OPERATION SECTION
BUREAU OF PUBLIC WATER SUPPLY
EMPIRE STATE PLAZA
ALBANY, N.Y.

SUBMITTED BY:GREEN

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH



RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 65672 SAMPLE RECEIVED:86/10/30/ CHARGE: 14.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC OTSELIC T
TIME OF SAMPLING: 86/10/27 14: DATE PRINTED:86/11/05

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

**** END OF REPORT ****

PAGE 1 RESULTS OF EXAMINATION PENDING APPROVAL

SAMPLE ID: 65673 SAMPLE RECEIVED:86/10/30/ CHARGE: 24.00
PROGRAM: 100:MUNICIPAL WATER SUPPLIES
SOURCE ID: 1307000 DRAINAGE BASIN:06 GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: SOUTH OTSELIC OTSELIC T
DESCRIPTION:WELL #7 SAMPLE C
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 021:FINISHED WATER, CHLORINATED - SURVEILLANCE
TIME OF SAMPLING: 86/10/27 14: LAST ACTION DATE:86/11/10

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
*** SUBJECT TO FINAL REVIEW AND REVISION. ***

ANALYSIS: 601 PURGEABLE HALOCARBONS, EPA METHOD 601 (DES 310-18)
DATE PRINTED: 86/11/10 FINISHED

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | 15. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |

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COPIES SENT TO: CO(1), RO(1), LPHE(2), FED( ), INFO-P( ), INFO-L( )

INTERAGENCY
NYSDH WATER OPERATION SECTION
BUREAU OF PUBLIC WATER SUPPLY
EMPIRE STATE PLAZA
ALBANY, N.Y.

SUBMITTED BY:GREEN

RESULTS OF EXAMINATION — PENDING APPROVAL

SAMPLE ID: 65673 SAMPLE RECEIVED:86/10/30, CHARGE: 24.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC OTSELIC T
TIME OF SAMPLING: 86/10/27 14: LAST ACTION DATE:86/11/10

*** THIS IS A PARTIAL REPORT, AND DATA IS ***
*** SUBJECT TO FINAL REVIEW AND REVISION. ***

| | PARAMETER | RESULT |
|---|---|---|
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/11/05 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)
DATE COMPLETED: 86/11/10 PENDING APPROVAL

**** END OF REPORT ****

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65836 SAMPLE RECEIVED:86/11/07/ CHARGE: 24.00
PROGRAM: 5600:DIVISION OF ENVIRONMENTAL ENFORCEMENT - DEC
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: SOUTH OTSELIC GLADDING CORP.
DESCRIPTION:OTSELIC RIVER UPSTREAM D11-01
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 210:SURFACE WATER
TIME OF SAMPLING: 86/11/05 10:3 DATE PRINTED:86/11/26

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****



COPIES SENT TO: CO(2), RO(1), LPHE(1), FED( ), INFO-P( ), INFO-L( )

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SUBMITTED BY:ED PERKINS

1033

NEW Y_ .K STATE DEPARTMENT OF HEAL..
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 2 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65836 SAMPLE RECEIVED:86/11/07/ CHARGE: 24.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC GLADDING CORP.
TIME OF SAMPLING: 86/11/05 10:3 DATE PRINTED:86/11/26

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/11/13 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)
DATE REPORTED: 86/11/18 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T17009 | METHYL ETHYL KETONE | < 10. MCG/L |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42009 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65840 SAMPLE RECEIVED:86/11/07/ CHARGE: 24.00
PROGRAM: 5600:DIVISION OF ENVIRONMENTAL ENFORCEMENT - DEC
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z-DIRECTION:
LOCATION: SOUTH OTSELIC GLADDING CORP.
DESCRIPTION:OTSELIC RIVER DOWNSTREAM D11-07
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 210:SURFACE WATER
TIME OF SAMPLING: 86/11/05 14:00 DATE PRINTED:86/11/26

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****



COPIES SENT TO: CO(2), RO(1), LPHE(1), FED( ), INFO-P( ), INFO-L( )

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SUBMITTED BY:ED PERKINS

1049

NEW . RK STATE DEPARTMENT OF HEA. .H
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 2 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65840 SAMPLE RECEIVED:86/11/07/ CHARGE: 24.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC GLADDING CORP.
TIME OF SAMPLING: 86/11/05 14:00 DATE PRINTED:86/11/26

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/11/13 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)
DATE REPORTED: 86/11/18 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T17009 | METHYL ETHYL KETONE | < 10. MCG/L |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42009 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65838 SAMPLE RECEIVED:86/11/07/ CHARGE: 24.00
PROGRAM: 5600:DIVISION OF ENVIRONMENTAL ENFORCEMENT - DEC
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE:0862
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LATITUDE: . LONGITUDE: . Z DIRECTION:
LOCATION: SOUTH OTSELIC GLADDING CORP.
DESCRIPTION:OTSELIC RIVER ADJACENT TO PLANT D11-04
REPORTING LAB: TOX:LAB FOR ORGANIC ANALYTICAL CHEMISTRY
TEST PATTERN: VOL2:PURGEABLE HALOCARBONS AND AROMATIC PURGEABLES
SAMPLE TYPE: 210:SURFACE WATER
TIME OF SAMPLING: 86/11/05 13:00 DATE PRINTED:86/11/26

ANALYSIS: 601 PURGEABLE HALOCARBONS, FR METHOD 601 (DES 310-18)

| | PARAMETER | RESULT |
|---|---|---|
| T62009 | CHLOROMETHANE | < 1. MCG/L |
| T61809 | BROMOMETHANE | < 1. MCG/L |
| T41009 | VINYL CHLORIDE | < 1. MCG/L |
| T70209 | DICHLORODIFLUOROMETHANE | < 1. MCG/L |
| T61909 | CHLOROETHANE | < 1. MCG/L |
| T61709 | TRICHLOROFLUOROMETHANE | < 1. MCG/L |
| T23809 | METHYLENE CHLORIDE (DICHLOROMETHANE) | < 1. MCG/L |
| T50909 | 1,1-DICHLOROETHENE | < 1. MCG/L |
| T51909 | 1,1-DICHLOROETHANE | < 1. MCG/L |
| T61209 | TRANS-1,2-DICHLOROETHENE | < 1. MCG/L |
| T39009 | CHLOROFORM | < 1. MCG/L |
| T50809 | 1,2-DICHLOROETHANE | < 1. MCG/L |
| T23609 | 1,1,1-TRICHLOROETHANE | < 1. MCG/L |
| T36609 | CARBON TETRACHLORIDE | < 1. MCG/L |
| T38909 | BROMODICHLOROMETHANE | < 1. MCG/L |
| T61309 | 1,2-DICHLOROPROPANE | < 1. MCG/L |
| T61509 | TRANS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T41109 | TRICHLOROETHENE | < 1. MCG/L |
| T44909 | DIBROMOCHLOROMETHANE | < 1. MCG/L |
| T61409 | CIS-1,3-DICHLOROPROPENE | < 1. MCG/L |
| T51709 | 1,1,2-TRICHLOROETHANE | < 1. MCG/L |
| T61109 | 2-CHLOROETHYLVINYL ETHER | < 1. MCG/L |
| T42109 | BROMOFORM | < 1. MCG/L |
| T51809 | 1,1,2,2-TETRACHLOROETHANE | < 1. MCG/L |
| T41209 | TETRACHLOROETHENE | < 1. MCG/L |
| T40909 | CHLOROBENZENE | < 1. MCG/L |
| T49709 | 1,3-DICHLOROBENZENE | < 1. MCG/L |
| T44109 | 1,2-DICHLOROBENZENE | < 1. MCG/L |
| T44209 | 1,4-DICHLOROBENZENE | < 1. MCG/L |

**** CONTINUED ON NEXT PAGE ****



COPIES SENT TO: CO(2), RO(1), LPHE(1), FED( ), INFO-P( ), INFO-L( )

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SUBMITTED BY:ED PERKINS

1041

NEW . RK STATE DEPARTMENT OF HEA .H
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 2 RESULTS OF EXAMINATION FINAL REPORT

SAMPLE ID: 65838 SAMPLE RECEIVED:86/11/07/ CHARGE: 24.00
POLITICAL SUBDIVISION:OTSELIC COUNTY:CHENANGO
LOCATION: SOUTH OTSELIC GLADDING CORP.
TIME OF SAMPLING: 86/11/05 13:00 DATE PRINTED:86/11/26

ANALYSIS: 5031P AROMATIC PURGEABLES-EPA METHOD 503.1 (DES 310-22)
DATE REPORTED: 86/11/13 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T34409 | BENZENE | < 1. MCG/L |
| T39209 | TOLUENE | < 1. MCG/L |
| T51009 | ETHYLBENZENE | < 1. MCG/L |
| T85209 | 1-CHLOROCYCLOHEXENE-1 | < 1. MCG/L |
| T70409 | PARA-XYLENE | < 1. MCG/L |
| T70309 | META-XYLENE | < 1. MCG/L |
| T51409 | ORTHO-XYLENE | < 1. MCG/L |
| T85309 | CUMENE | < 1. MCG/L |
| T85409 | STYRENE | < 1. MCG/L |
| T85509 | P-BROMOFLUOROBENZENE | < 1. MCG/L |
| T51109 | N-PROPYLBENZENE | < 1. MCG/L |
| T85609 | TERT-BUTYLBENZENE | < 1. MCG/L |
| T85709 | O/P-CHLOROTOLUENE | < 1. MCG/L |
| T51209 | BROMOBENZENE | < 1. MCG/L |
| T50509 | META-CHLOROTOLUENE | < 1. MCG/L |
| T85809 | 1,3,5-TRIMETHYLBENZENE | < 1. MCG/L |
| T85909 | 1,2,4-TRIMETHYLBENZENE | < 1. MCG/L |
| T86009 | P-CYMENE | < 1. MCG/L |
| T86109 | CYCLOPROPYLBENZENE | < 1. MCG/L |
| T86209 | SEC-BUTYLBENZENE | < 1. MCG/L |
| T86309 | N-BUTYLBENZENE | < 1. MCG/L |
| T86409 | 2,3-BENZOFURAN | < 1. MCG/L |
| T52509 | HEXACHLOROBUTADIENE (C-46) | < 5. MCG/L |
| T44009 | 1,2,4-TRICHLOROBENZENE | < 5. MCG/L |
| T65609 | NAPHTHALENE | < 5. MCG/L |
| T43909 | 1,2,3-TRICHLOROBENZENE | < 5. MCG/L |

FOLLOWING PARAMETERS NOT PART OF TEST PATTERN

ANALYSIS: KET KETONES - PURGE & TRAP TECHNIQUE (DES 310-25)
DATE REPORTED: 86/11/18 REPORT MAILED OUT

| | PARAMETER | RESULT |
|---|---|---|
| T17009 | METHYL ETHYL KETONE | < 10. MCG/L |
| T70609 | METHYL ISOBUTYL KETONE | < 10. MCG/L |
| T42009 | ACETONE | < 10. MCG/L |

**** END OF REPORT ****

File on eDOCs X Yes _____ No
Site Name Gladding Cordage
Site No. 709009
County Chemango
Town South of Ellic
Foilable X Yes _____ No
File Name 1986-11-13 Ground water investigation report
Scanned & eDOC _____