# INTERIM REMEDIAL MEASURES 5TH QTR. PROGRESS REPORT FORMER GRIFFIN TECHNOLOGY FACILITY FARMINGTON, NEW YORK INDEX NO. (B8-315-90-01)

Prepared for
Diebold, Inc.
Canton, Ohio



July 23, 1998

Woodward-Clyde

30775 Bainbridge Road
Suite 200
Solon, Ohio 44139
440/349/2708
Project No. 6E06191

# CERTIFICATION

**INTERIM REMEDIAL MEASURE 5TH QUARTER PROGRESS REPORT**

**GRIFFIN TECHNOLOGY, INC. FACILITY**

**TOWN OF FARMINGTON**

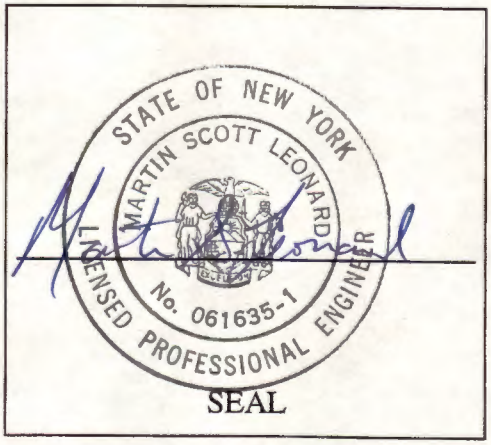
**ONTARIO COUNTY, NEW YORK**

The enclosed 5th Quarter Progress Report has been reviewed by the undersigned, and has been found to be consistent with the requirements of the Order on Consent (Index No. B8-315-90-01), entered into by the New York State Department of Environmental Conservation and Griffin Technology, Inc.

Name: Martin S. Leonard P.E.

Title: Consulting Professional Engineer

Date: July 23, 1998




SEAL

# Table of Contents


**Section 1** **Introduction** ..... **1-1**

**Section 2** **Scope of Work** ..... **2-1**

2.1. Hydraulic Head Measurement ..... 2-1
2.2. Effluent Monitoring Sampling and Analysis ..... 2-1

**Section 3** **5th Quarter Monitoring Results** ..... **3-1**

3.1. Effluent Operating Data and Analytical Results ..... 3-1
3.2. Hydraulic Head Measurement Results ..... 3-1

**Section 4** **Summary** ..... **4-1**


## Tables


Table 1 Summary of Effluent Discharge Data; April - June 1998
Table 2 Summary of Groundwater Elevation Measurements; April - June 1998


## Figures


Figure 1 General Location Map
Figure 2 Overburden Groundwater Contour Map -May 12, 1998
Figure 3 Overburden Groundwater Contour Map -June 12, 1998
Figure 4 Bedrock Groundwater Contour Map - May 12, 1998
Figure 5 Bedrock Groundwater Contour Map -June 12, 1998


## Appendices


Appendix A Effluent Analytical Results; April -June 1998

This report presents the information collected during the fifth quarter of operation of the Interim Remedial Measure (IRM) system at the Griffin Technology, Inc. (GTI) site located at 6132 Victor-Manchester Road in the Town of Farmington, Ontario County, New York. The IRM system consists of three wells equipped with groundwater extraction pumps which have been plumbed to discharge groundwater into the local sanitary sewer system. A general location map is included as Figure 1.

The IRM system was proposed in the *IRM Work Plan* submitted to the New York State Department of Environmental Conservation (NYSDEC) on July 10, 1996. The Work Plan was prepared in accordance with the Order on Consent agreement (Index No. B8-315-90-01) entered into by GTI and the NYSDEC. Information supporting the selected IRM, such as a Field Sampling Plan (FSP), Quality Assurance Project Plan (QAPP), and Health and Safety Plan (HASP), were included in the Work Plan.

On September 27, 1996, GTI submitted an *Interim Remedial Measure Program, Final Design Document* to the NYSDEC. This document contained the proposed layout and detail drawings for the IRM system and a copy of the letter approving the discharge of recovered groundwater into the local publicly-owned treatment works (POTW) sanitary sewer. In addition, an implementation schedule to construct the system and a proposed two year sample collection and reporting schedule were included in the design document.

During December 1996 and January 1997, the IRM components were installed at the site. Following approval by the NYSDEC and the Canandaguia-Farmington Water and Sewer District to discharge recovery water into the sanitary sewer system, the system was placed on-line. The IRM system began operating on February 18, 1997.

The activities performed during the fifth quarter of operation are described in Section 2.0. Information collected during the fifth quarter of operation are presented in Section 3.0. Summary information is presented in Section 4.0.

The activities performed during the fifth quarter of IRM operation consisted of collecting bi-weekly groundwater elevations from on-site and off-site monitoring wells, measuring the quantity of water discharged by the IRM system during each of the three months of operation, and obtaining analytical data on the quality of the effluent discharged during each of the three months in this quarter. Each of these activities are described in greater detail below.

## 2.1. HYDRAULIC HEAD MEASUREMENT

During the fifth quarter of IRM operation, hydraulic head (groundwater elevation) measurements were collected a minimum of once per month from each groundwater well and piezometer located on-site. All groundwater measurements were collected using an electronic water level indicator capable of measuring the water elevation to the nearest 0.01 ft. Hydraulic head measurements were also collected from one off-site well (MW-11D) located in the immediate vicinity of the IRM system. This measurement was collected identically to the on-site wells measured during this time period. Hydraulic head measurements were discontinued at MW-6S and MW-6D due to an access notification issue which has occurred with the land owner.

## 2.2. EFFLUENT MONITORING SAMPLING AND ANALYSIS

At the end of each month of operation, the quantity of effluent discharged was recorded from a totalizing flow meter located on the common header discharge in the Central Access Vault. The value from the preceding months operation was subtracted from this value in order to determine the monthly effluent discharge to the Farmington Water and Sewer District wastewater treatment facility. In addition, a sample of the effluent was collected monthly from a sample port located on the header discharge in the Central Access Vault in order to evaluate the quality of the groundwater being recovered by the IRM system. The effluent samples were submitted to Columbia Analytical Services, Inc. (CASI) for analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) method 8260. The analytical results of the samples collected were used to report estimated loadings to the POTW.

Data collected and analytical results obtained during the fifth quarter of IRM system operation are presented in the following subsections.

## 3.1. EFFLUENT OPERATING DATA AND ANALYTICAL RESULTS

A summary of the operating data and effluent analysis collected during each month of the fifth quarter of IRM system operation is presented in Table 1. The results indicate that groundwater containing COC's continues to be removed from underneath the GTI site. The quantity of water removed by the system has decreased during the summer months. This condition is a result of lower groundwater elevations typically encountered during drier months. The effluent analytical data indicate that the concentrations of COC's has increased as the quantity of groundwater recovered decreased during each month. This is consistent with previous observations at the site. The laboratory data sheets are provided in Appendix A.

## 3.2. HYDRAULIC HEAD MEASUREMENT RESULTS

Groundwater elevations collected from selected on-site and off-site monitoring wells during the fifth quarter of IRM system operation are presented in Table 2. This data was used to prepare groundwater elevation and flow maps for the overburden and bedrock groundwater zones. Overburden groundwater zone contour maps for the GTI site are presented as Figures 2 through 4. Bedrock groundwater zone contour maps of the GTI site are presented as Figures 5 through 7.

The groundwater zone contour maps from the GTI site indicate that water levels in both the overburden and bedrock zones have been depressed near the GTI site boundary with a low area being present in the vicinity of RW-03. The data indicate that the IRM system is influencing groundwater patterns on the GTI site.

This data is also consistent with previous observed site conditions.

Based on the information collected during the preceding three months of IRM system operation, the following summary has been developed regarding environmental conditions at the GTI site:

- The IRM system is affecting groundwater flow patterns in the vicinity of the GTI facility. The groundwater contour maps prepared using water elevation data from the bedrock and overburden zones, indicate that the elevation of groundwater in the immediate vicinity of the IRM system has been depressed.
- Regional groundwater elevations have decreased during the last three months. The depressed elevations are apparently reducing the rate of groundwater recovery of the IRM system by reducing the rate of recharge in the wells.
- As the quantity of groundwater being recovered has decreased, the concentration of COC's present in the recovered material has increased.

Additional data collection activities during the next quarter of IRM operation will consist of the same activities performed during the previous months of operation. The second semi-annual sampling of all groundwater monitoring wells is scheduled at the end of the sixth quarter.

# Tables

**TABLE 1**
**SUMMARY OF EFFLUENT DISCHARGES IN POTW**
**APRIL - JUNE 1998**
**GRIFFIN TECHNOLOGY INC.**
**VICTOR, NEW YORK**

| MONTH | DISCHARGE (GAL.) | TCE | 1,1,1-TCA | 1,2-DCE |
|---|---|---|---|---|
| April 1998 | 352,742 | 150 | ND | ND |
| May 1998 | 191,088 | 250 | ND | ND |
| June 1998 | 96,750 | 320 | 7.5 | ND |

Notes:

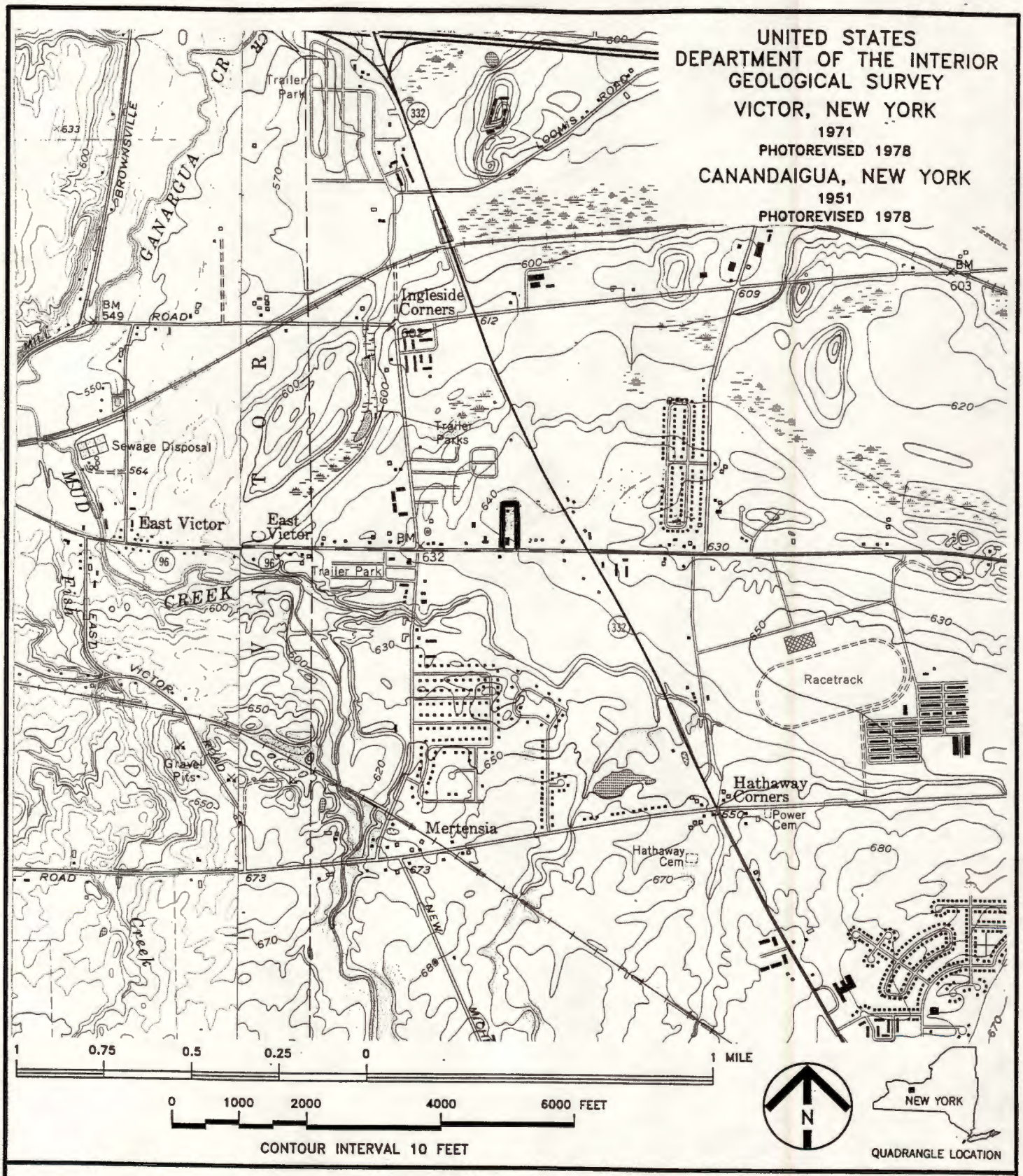
1. All results expressed in micrograms per liter (µg/l).
2. No other VOC compounds detected at method detection limit.
3. ND indicates not detected at method detection limit.

**TABLE 2**
**SUMMARY OF GROUNDWATER ELEVATIONS APRIL - JUNE 1998**
**GRIFFIN TECHNOLOGY FACILITY**
**VICTOR, NEW YORK**

| Well Designation | WATER LEVEL (ft) 04/24/98 | WATER LEVEL (ft) 05/04/98 | WATER LEVEL (ft) 05/12/98 | WATER LEVEL (ft) 06/12/98 | WATER LEVEL (ft) 06/30/98 |
|---|---|---|---|---|---|
| MW-01 | 637.25 | 636.11 | 636.81 | 631.47 | 634.19 |
| MW-2S | 633.66 | 632.39 | 633.29 | 627.41 | 631.04 |
| MW-2D | 633.65 | 632.27 | 633.36 | 627.58 | 631.07 |
| MW-03 | 634.37 | 631.67 | 632.65 | 627.32 | 630.10 |
| MW-04 | 632.20 | 629.16 | 630.48 | 624.34 | 626.82 |
| MW-5S | 630.49 | 627.66 | 628.94 | 622.76 | 624.87 |
| MW-5D | 624.45 | 623.24 | 624.09 | 620.37 | 622.29 |
| MW-06S | 629.88 | NM | NM | NM | NM |
| MW-06D | 629.93 | NM | NM | NM | NM |
| MW-11D | 632.97 | 630.97 | 633.65 | 625.98 | 629.51 |
| PZ-1S | 632.00 | | 630.20 | 630.12 | 630.15 |
| PZ-1D | 631.98 | 628.96 | 630.17 | Dry | 626.12 |
| PZ-2S | 629.21 | 626.67 | 627.67 | 621.91 | 623.83 |
| PZ-2D | 628.73 | 626.49 | 627.41 | 622.06 | 623.87 |

NOTES:
1. Water levels collected on dates shown.
2. "NM" indicates water elevation not measured on date shown.
3. "DRY" indicates no water present in well at time of measurement.
4. All measurements relative to Mean Sea Level (MSL).

# Figures



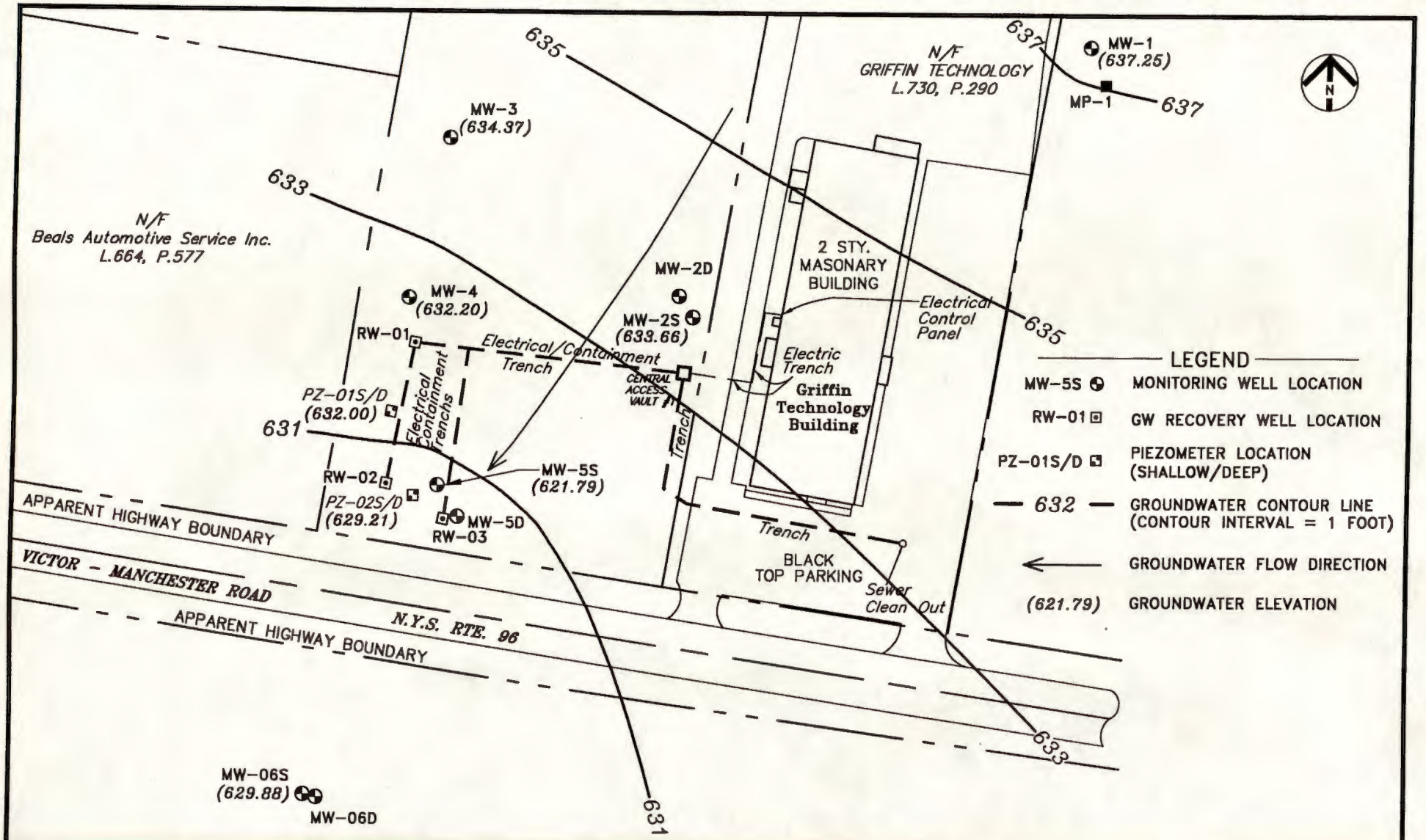

# GENERAL LOCATION MAP

**GRIFFIN TECHNOLOGY INC. - ONTARIO COUNTY - FARMINGTON, NEW YORK**

| DRAWN BY: MMS | CHECKED BY: KMA | PROJECT NUMBER: 4E06282 | DATE: 6-10-96 | FIGURE NO: 1 |
|---|---|---|---|---|

U:\6282\GLM

**Woodward-Clyde Consultants**

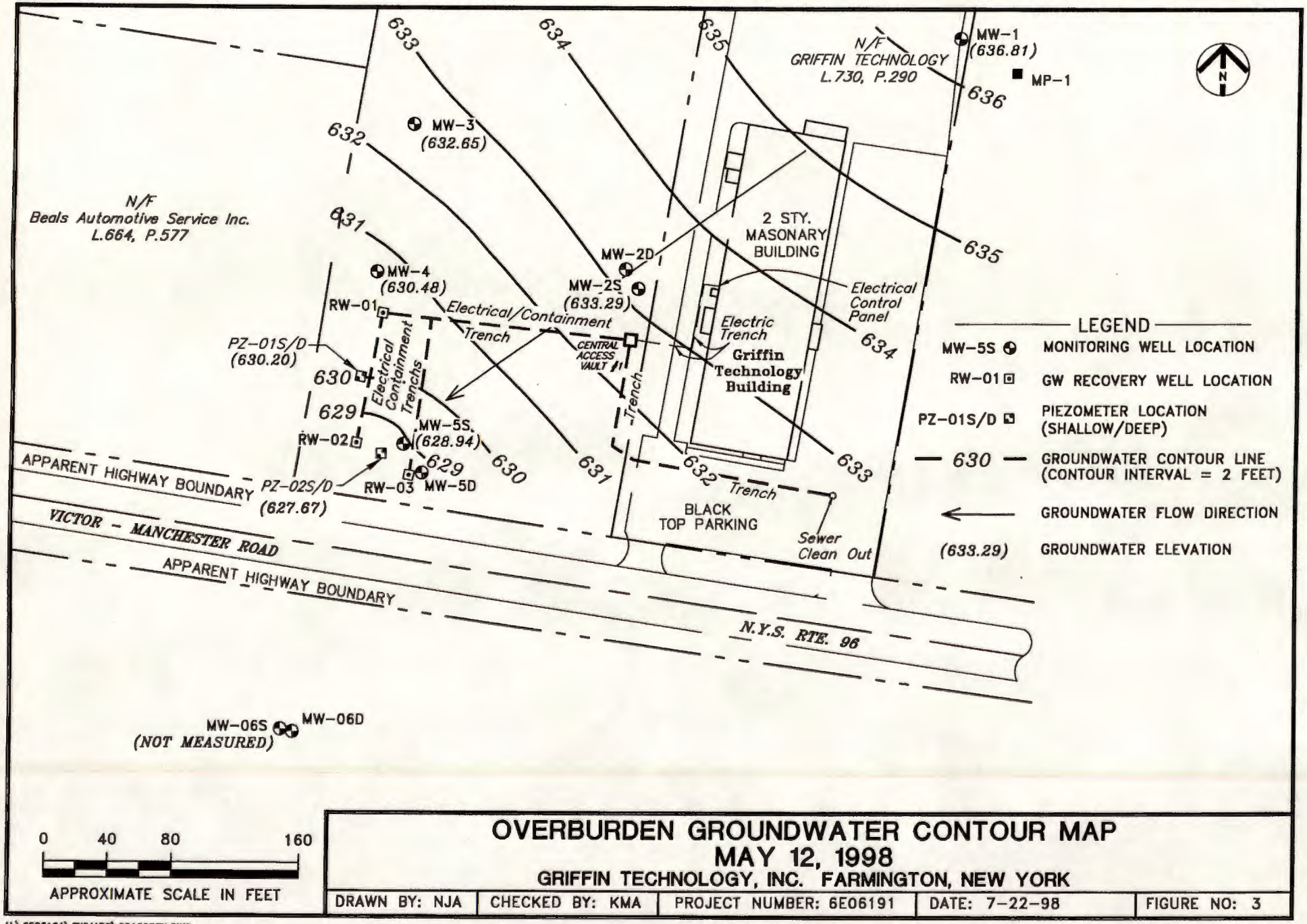



# OVERBURDEN GROUNDWATER CONTOUR MAP
## APRIL 24, 1998
### GRIFFIN TECHNOLOGY, INC. FARMINGTON, NEW YORK

| DRAWN BY: MMS | CHECKED BY: KMA | PROJECT NUMBER: 6E06191 | DATE: 07-22-98 | FIGURE NO: 2 |
|---|---|---|---|---|

U:\6E06191\GWMAPS\042498SH.DWG

Woodward-Clyde

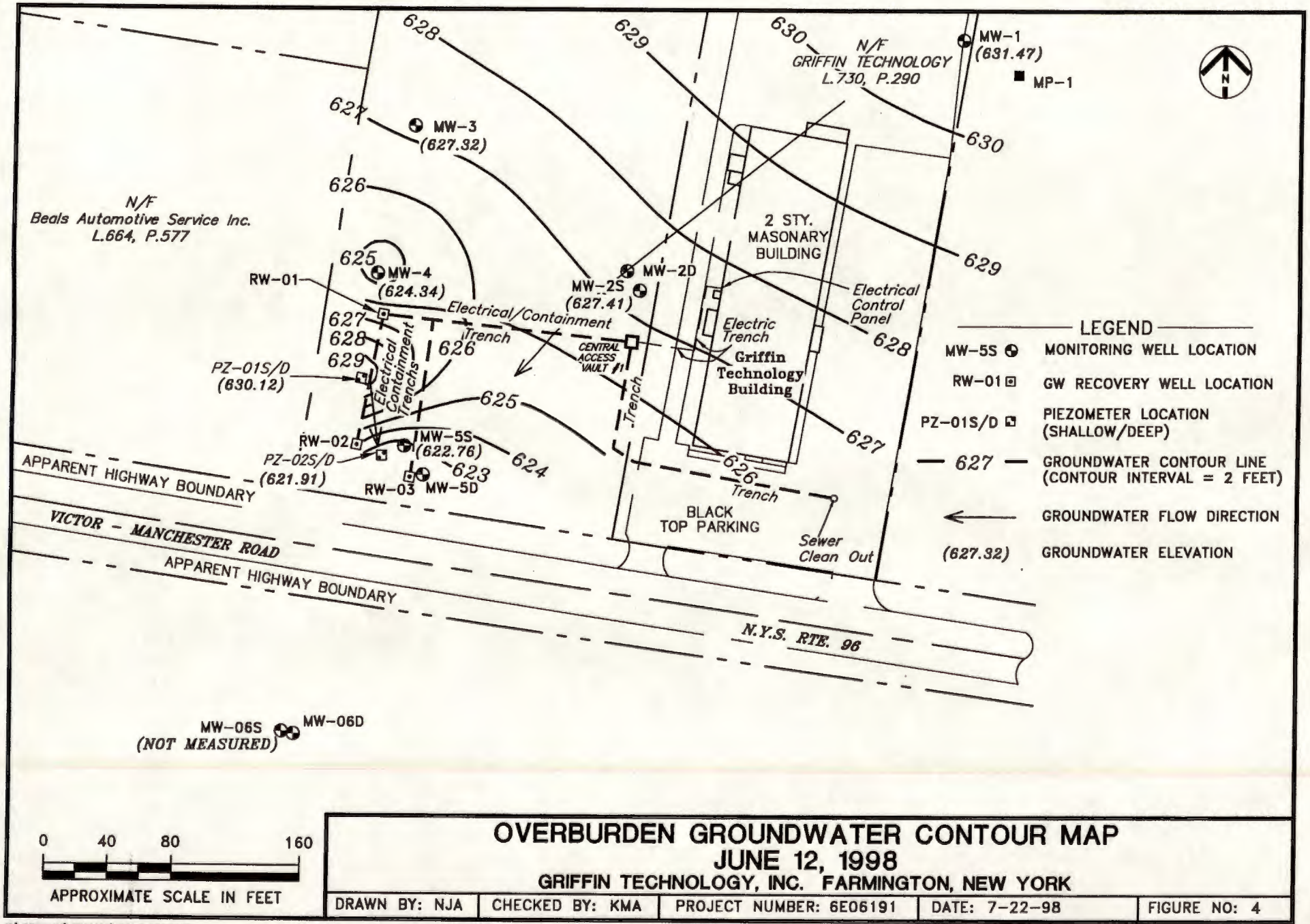



# OVERBURDEN GROUNDWATER CONTOUR MAP
## MAY 12, 1998
### GRIFFIN TECHNOLOGY, INC. FARMINGTON, NEW YORK

| DRAWN BY: NJA | CHECKED BY: KMA | PROJECT NUMBER: 6E06191 | DATE: 7-22-98 | FIGURE NO: 3 |
|---|---|---|---|---|

U:\6E06191\GWMAPS\051298SX.DWG

Woodward-Clyde

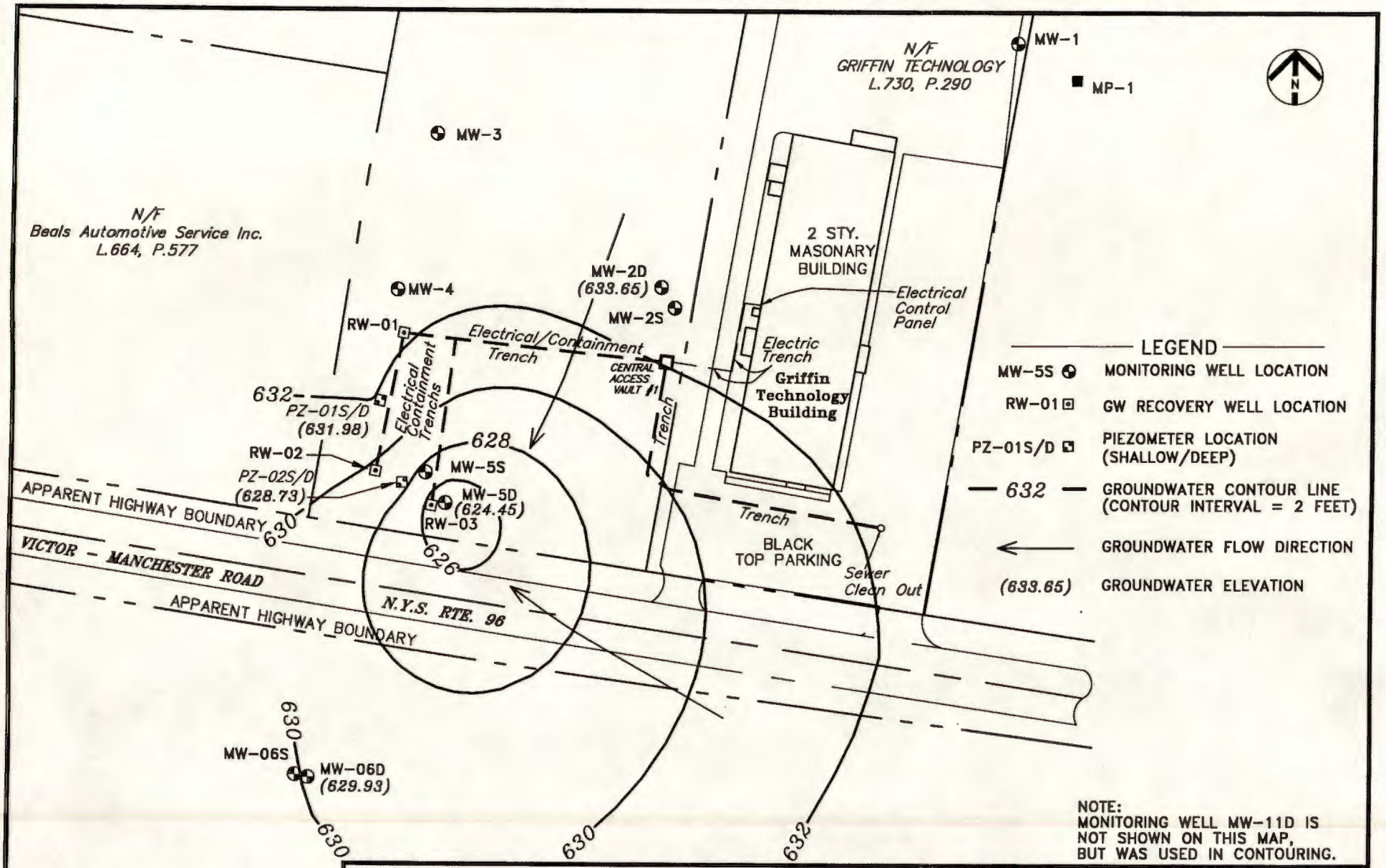



# OVERBURDEN GROUNDWATER CONTOUR MAP
## JUNE 12, 1998
### GRIFFIN TECHNOLOGY, INC. FARMINGTON, NEW YORK

| DRAWN BY: NJA | CHECKED BY: KMA | PROJECT NUMBER: 6E06191 | DATE: 7-22-98 | FIGURE NO: 4 |
|---|---|---|---|---|

U:\6E06191\GWMAPS\061298SX.DWG

Woodward-Clyde

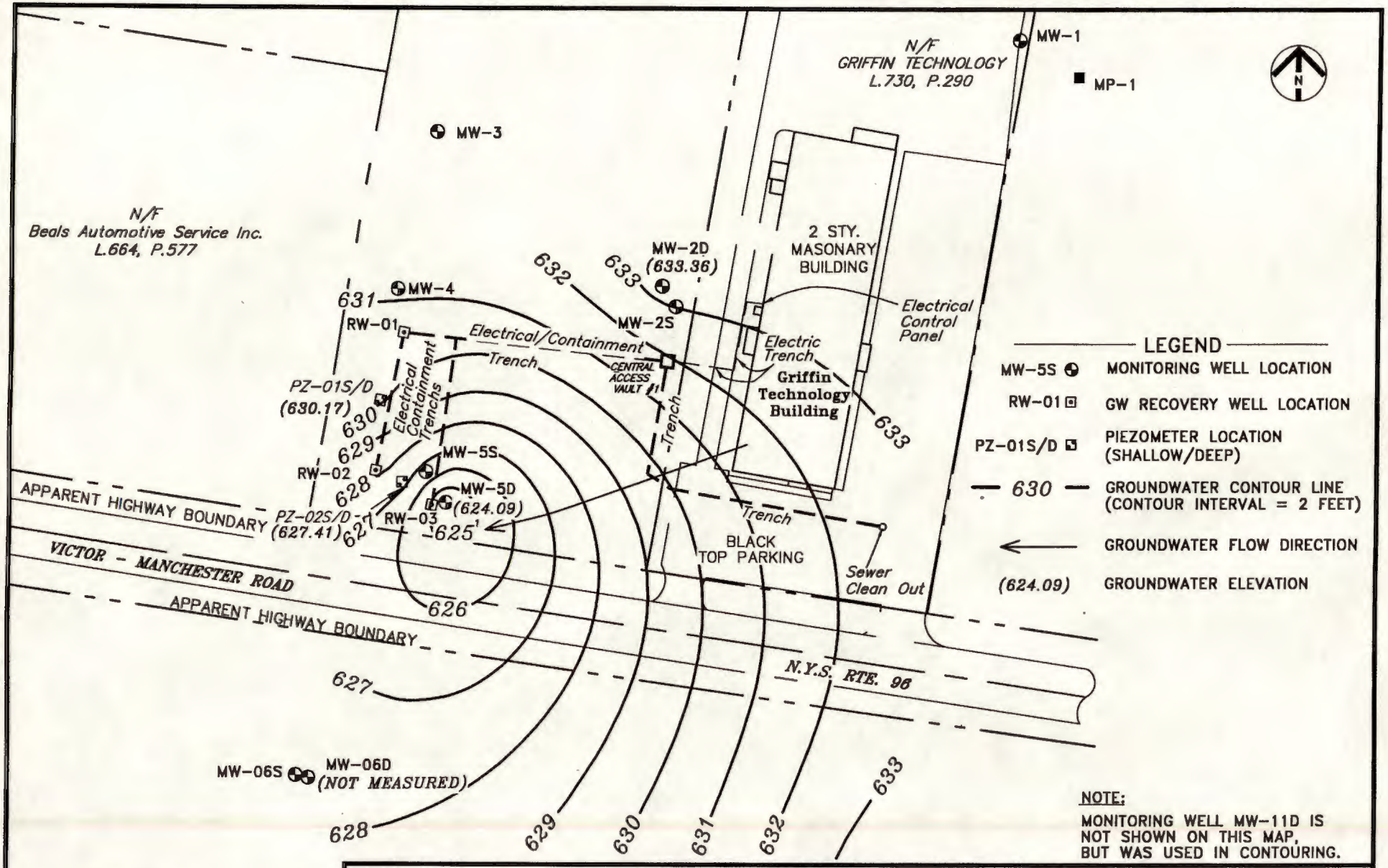



# BEDROCK GROUNDWATER CONTOUR MAP
## APRIL 24, 1998
### GRIFFIN TECHNOLOGY, INC. FARMINGTON, NEW YORK

| DRAWN BY: MMS | CHECKED BY: KMA | PROJECT NUMBER: 6E06191 | DATE: 7-22-98 | FIGURE NO: 5 |
|---|---|---|---|---|

U:\6E06191\GWMAPS\042498DP.DWG

Woodward-Clyde

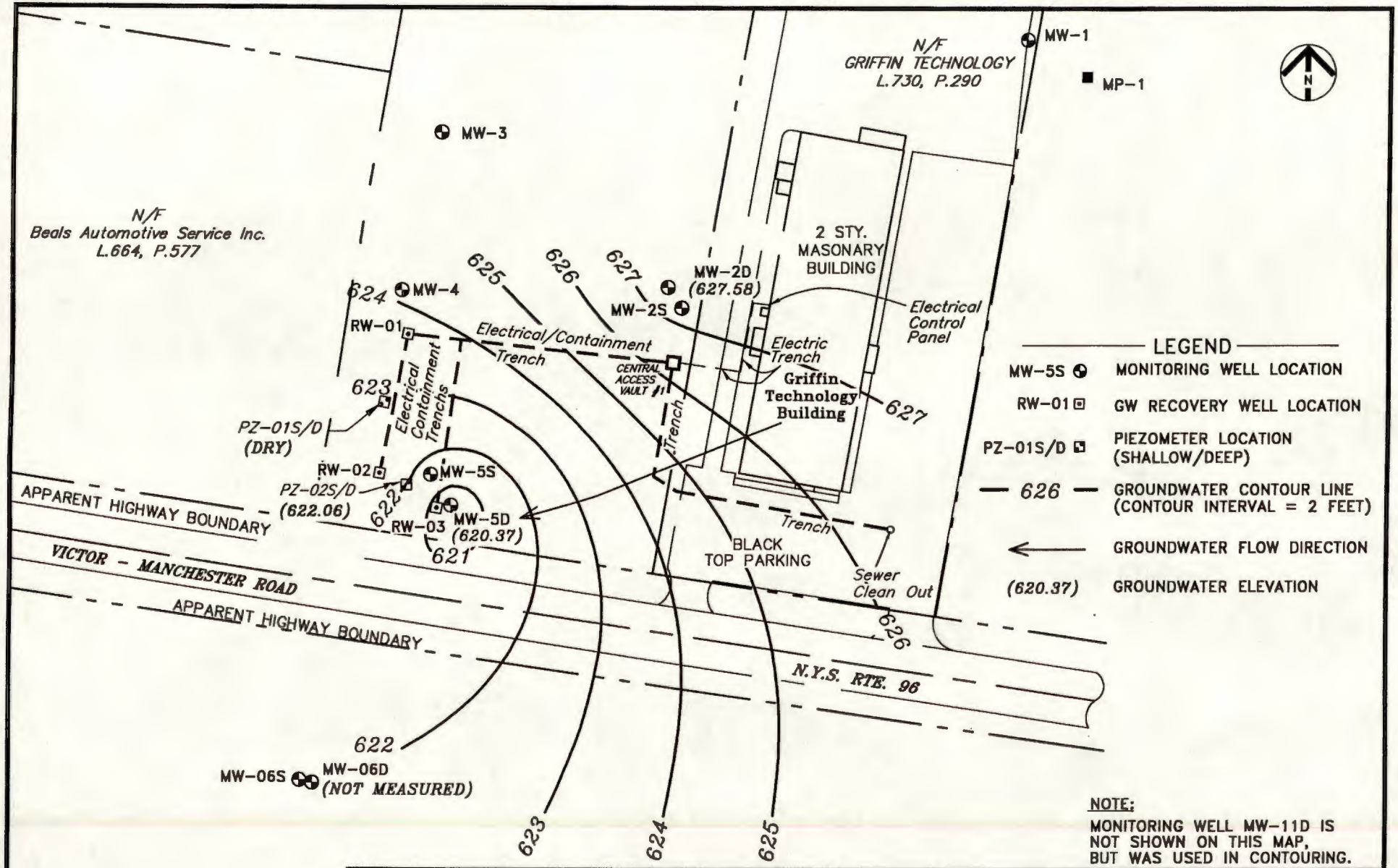



# BEDROCK GROUNDWATER CONTOUR MAP
## MAY 12, 1998
### GRIFFIN TECHNOLOGY, INC. FARMINGTON, NEW YORK

| DRAWN BY: NJA | CHECKED BY: KMA | PROJECT NUMBER: 6E06191 | DATE: 7-22-98 | FIGURE NO: 6 |
|---|---|---|---|---|

U:\6E06191\GWMAPS\051298DX.DWG

Woodward-Clyde




# BEDROCK GROUNDWATER CONTOUR MAP
## JUNE 12, 1998
### GRIFFIN TECHNOLOGY, INC. FARMINGTON, NEW YORK

| DRAWN BY: NJA | CHECKED BY: KMA | PROJECT NUMBER: 6E06191 | DATE: 7-22-98 | FIGURE NO: 7 |
|---|---|---|---|---|

U:\6E06191\GWMAPS\061298DX.DWG

Woodward-Clyde

# Appendix A

Columbia Analytical Services Inc.

Effective 04/01/96

## CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

U - Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

N - Spiked sample recovery not within control limits.
(Flag the entire batch - Inorganic analysis only)

* - Duplicate analysis not within control limits.
(Flag the entire batch - Inorganic analysis only)

- Also used to qualify Organics QC data outside limits.

D - Spike diluted out.

S - Reported value determined by Method of Standard Additions. (MSA)

X - As specified in the case narrative.

### CAS Lab ID # for State Certifications

| | | | |
|---|---|---|---|
| NY ID # in Rochester: | 10145 | NJ ID # in Rochester: | 73004 |
| CT ID # in Rochester: | PH0556 | RI ID # in Rochester: | 158 |
| MA ID # in Rochester: | M-NY032 | | |

**COLUMBIA ANALYTICAL SERVICES, INC.**
1 Mustard St., Suite 250, P.O. Box 90859, Rochester, NY 14609-0859
(716) 288-5380 • FAX (716) 288-8475

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

(800) 695-7222

DATE 4-24-98 PAGE 1 OF 1

PROJECT NAME Griffin IRM
PROJECT MANAGER/CONTACT Ken Armstrong
COMPANY/ADDRESS 30775 Bainbridge Rd., Ste 200
Solon, Ohio
TEL (440) 349-2708 FAX (440) 349-1514
SAMPLER'S SIGNATURE Bob Fabian

## ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | LAB I.D. | SAMPLE MATRIX | # OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 | GC/MS SVOA's ☐ 8270A ☐ 625 | GC VOA's ☐ 8010/8020 ☐ 601/602 | PESTICIDES/PCB's ☐ 8080 ☐ 608 | STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP | STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP | TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P | WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit. | METALS, TOTAL (LIST BELOW) | METALS, DISSOLVED (LIST BELOW) | 8240 | | | | | | | PRESERVATION pH < 2.0 | PRESERVATION pH > 12 | PRESERVATION Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EFF-4-24-98 | 4-24-98 | 11:50 | 207829 | WATER | 2 | | | | | | | | | | | X | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

**RELINQUISHED BY:**
Bob Fabian
Signature Bob Fabian
Printed Name WCC
Firm 4-24-98 @ 12:30
Date/Time

**RECEIVED BY:**
Gardner
Signature Gardner
Printed Name CAS
Firm 4/24/98 @ 17:30
Date/Time

**RELINQUISHED BY:**
Signature
Printed Name
Firm
Date/Time

**RECEIVED BY:**
Signature
Printed Name
Firm
Date/Time

**RELINQUISHED BY:**
Signature
Printed Name
Firm
Date/Time

**RECEIVED BY:**
Signature
Printed Name
Firm
Date/Time

**TURNAROUND REQUIREMENTS**
__ 24 hr. __ 48 hr. __ 5 day
✓ Standard (10-15 working days)
__ Provide Verbal Preliminary Results
__ Provide FAX Preliminary Results
Requested Report Date _____

**REPORT REQUIREMENTS**
✓ 1. Routine Report
__ 2. Routine Rep. w/CASE Narrative
__ 3. EPA Level III Validatable Package
__ 4. N.J. Reduced Deliverables Level IV
__ 5. NY ASP/CLP Deliverables
__ 6. Site specific QC.

**INVOICE INFORMATION:**
P.O. #:
Bill To:

**SAMPLE RECEIPT:**
Shipping Via:
Shipping #:
Temperature:
Submission No: 98-4-404

**SPECIAL INSTRUCTIONS/COMMENTS:**
METALS
ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

65 RAMAPO VALLEY ROAD
MAHWAH, NJ 07430
201-512-3292
FAX 201-512-3362

309 WEST RIDLEY AVE.
RIDLEY PARK, PA 19078
610-521-3083
FAX 610-521-4589

**COLUMBIA ANALYTICAL SERVICES**

**VOLATILE ORGANICS**
METHOD 8260B TCL
Reported: 05/06/98

Woodward Clyde Consultants
**Project Reference:** DIEBOLD GRIFFIN SITE
**Client Sample ID :** EFF-4-24-98

**Date Sampled :** 04/24/98 **Order #:** 207829 **Sample Matrix:** WATER
**Date Received:** 04/24/98 **Submission #:** 9804000404 **Analytical Run** 26092

| ANALYTE | PQL | RESULT | UNITS |
|---|---|---|---|
| DATE ANALYZED : 05/04/98 | | | |
| ANALYTICAL DILUTION: 1.0 | | | |
| ACETONE | 20 | 20 U | UG/L |
| BENZENE | 5.0 | 5.0 U | UG/L |
| BROMODICHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| BROMOFORM | 5.0 | 5.0 U | UG/L |
| BROMOMETHANE | 5.0 | 5.0 U | UG/L |
| 2-BUTANONE (MEK) | 10 | 10 U | UG/L |
| CARBON DISULFIDE | 10 | 10 U | UG/L |
| CARBON TETRACHLORIDE | 5.0 | 5.0 U | UG/L |
| CHLOROBENZENE | 5.0 | 5.0 U | UG/L |
| CHLOROETHANE | 5.0 | 5.0 U | UG/L |
| CHLOROFORM | 5.0 | 5.0 U | UG/L |
| CHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| DIBROMOCHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| CIS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROPROPANE | 5.0 | 5.0 U | UG/L |
| CIS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| ETHYLBENZENE | 5.0 | 5.0 U | UG/L |
| 2-HEXANONE | 10 | 10 U | UG/L |
| METHYLENE CHLORIDE | 5.0 | 5.0 U | UG/L |
| 4-METHYL-2-PENTANONE (MIBK) | 10 | 10 U | UG/L |
| STYRENE | 5.0 | 5.0 U | UG/L |
| 1,1,2,2-TETRACHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TETRACHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TOLUENE | 5.0 | 5.0 U | UG/L |
| 1,1,1-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1,2-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TRICHLOROETHENE | 5.0 | 150 | UG/L |
| VINYL CHLORIDE | 5.0 | 5.0 U | UG/L |
| O-XYLENE | 5.0 | 5.0 U | UG/L |
| M+P-XYLENE | 5.0 | 5.0 U | UG/L |

| SURROGATE RECOVERIES | QC LIMITS | | |
|---|---|---|---|
| 4-BROMOFLUOROBENZENE | (86 - 115 %) | 110 | % |
| TOLUENE-D8 | (88 - 110 %) | 98 | % |
| DIBROMOFLUOROMETHANE | (86 - 118 %) | 98 | % |

**COLUMBIA ANALYTICAL SERVICES**

**VOLATILE ORGANICS**
METHOD 8260B TCL
Reported: 05/06/98

**Project Reference:**
**Client Sample ID :** METHOD BLANK

**Date Sampled :** **Order #:** 210178 **Sample Matrix:** WATER
**Date Received:** **Submission #:** **Analytical Run** 26092

| ANALYTE | PQL | RESULT | UNITS |
|---|---|---|---|
| DATE ANALYZED : 05/04/98 | | | |
| ANALYTICAL DILUTION: 1.0 | | | |
| ACETONE | 20 | 20 U | UG/L |
| BENZENE | 5.0 | 5.0 U | UG/L |
| BROMODICHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| BROMOFORM | 5.0 | 5.0 U | UG/L |
| BROMOMETHANE | 5.0 | 5.0 U | UG/L |
| 2-BUTANONE (MEK) | 10 | 10 U | UG/L |
| CARBON DISULFIDE | 10 | 10 U | UG/L |
| CARBON TETRACHLORIDE | 5.0 | 5.0 U | UG/L |
| CHLOROBENZENE | 5.0 | 5.0 U | UG/L |
| CHLOROETHANE | 5.0 | 5.0 U | UG/L |
| CHLOROFORM | 5.0 | 5.0 U | UG/L |
| CHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| DIBROMOCHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| CIS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROPROPANE | 5.0 | 5.0 U | UG/L |
| CIS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| ETHYLBENZENE | 5.0 | 5.0 U | UG/L |
| 2-HEXANONE | 10 | 10 U | UG/L |
| METHYLENE CHLORIDE | 5.0 | 5.0 U | UG/L |
| 4-METHYL-2-PENTANONE (MIBK) | 10 | 10 U | UG/L |
| STYRENE | 5.0 | 5.0 U | UG/L |
| 1,1,2,2-TETRACHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TETRACHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TOLUENE | 5.0 | 5.0 U | UG/L |
| 1,1,1-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1,2-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TRICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| VINYL CHLORIDE | 5.0 | 5.0 U | UG/L |
| O-XYLENE | 5.0 | 5.0 U | UG/L |
| M+P-XYLENE | 5.0 | 5.0 U | UG/L |

| SURROGATE RECOVERIES | QC LIMITS | | |
|---|---|---|---|
| 4-BROMOFLUOROBENZENE | (86 - 115 %) | 104 | % |
| TOLUENE-D8 | (88 - 110 %) | 98 | % |
| DIBROMOFLUOROMETHANE | (86 - 118 %) | 94 | % |

**COLUMBIA ANALYTICAL SERVICES, INC.**
1 Mustard St., Suite 250, P.O. Box 90859, Rochester, NY 14609-0859
(716) 288-5380 • FAX (716) 288-8475

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

(800) 695-7222

DATE 5-12-98 PAGE 1 OF 1

PROJECT NAME Griffin IRM
PROJECT MANAGER/CONTACT Ken Armstrong
COMPANY/ADDRESS 30775 Bainbridge Rd. Solon, Ohio
TEL (440) 349-2708 FAX (440) 349-1514
SAMPLER'S SIGNATURE Bob Fabian

## ANALYSIS REQUESTED

| SAMPLE I.D. | DATE | TIME | LAB I.D. | SAMPLE MATRIX | # OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 | GC/MS SVOA's ☐ 8270A ☐ 625 | GC VOA's ☐ 8010/8020 ☐ 601/602 | PESTICIDES/PCB's ☐ 8080 ☐ 608 | STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP | STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP | TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P | WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit. | METALS, TOTAL (LIST BELOW) | METALS, DISSOLVED (LIST BELOW) | 8240 | ASP 91-1 | | | | | | PRESERVATION pH < 2.0 | PRESERVATION pH > 12 | PRESERVATION Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EFF-5-12-98 | 5-12-98 | 12:05 | 211818 | WATER | 2 | | | | | | | | | | | X | | | | | | | | | |
| MW-2S-5-12-98 | 5-12-98 | 12:35 | 211819 | WATER | 2 | | | | | | | | | | | | X | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

**RELINQUISHED BY:**
Signature: Bob Fabian
Printed Name: Bob Fabian
Firm: WIC
Date/Time: 5-12-98 13:15

**RECEIVED BY:**
Signature: DGardner
Printed Name: DGardner
Firm: CAS
Date/Time: 5/12/98 @ 1315

**RELINQUISHED BY:**
Signature
Printed Name
Firm
Date/Time

**RECEIVED BY:**
Signature
Printed Name
Firm
Date/Time

**RELINQUISHED BY:**
Signature
Printed Name
Firm
Date/Time

**RECEIVED BY:**
Signature
Printed Name
Firm
Date/Time

**TURNAROUND REQUIREMENTS**
__ 24 hr. __ 48 hr. __ 5 day
__ Standard (10-15 working days)
__ Provide Verbal Preliminary Results
__ Provide FAX Preliminary Results
Requested Report Date _____

**REPORT REQUIREMENTS**
__ 1. Routine Report
__ 2. Routine Rep. w/CASE Narrative
__ 3. EPA Level III Validatable Package
__ 4. N.J. Reduced Deliverables Level IV
__ 5. NY ASP/CLP Deliverables
__ 6. Site specific QC.

**INVOICE INFORMATION:**
P.O. #:
Bill To:

**SAMPLE RECEIPT:**
Shipping Via: Client
Shipping #:
Temperature:
Submission No: 98-5-479
98-5-480

**SPECIAL INSTRUCTIONS/COMMENTS:**
METALS
ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

65 RAMAPO VALLEY ROAD
MAHWAH, NJ 07430
201-512-3292
FAX 201-512-3362

309 WEST RIDLEY AVE.
RIDLEY PARK, PA 19078
610-521-3083
FAX 610-521-4589

COLUMBIA ANALYTICAL SERVICES

**VOLATILE ORGANICS**
METHOD 8260B TCL
Reported: 05/27/98

Woodward Clyde Consultants
**Project Reference:** GRIFFIN IRM
**Client Sample ID :** EFF-5-12-98

**Date Sampled :** 05/12/98 **Order #:** 211818 **Sample Matrix:** WATER
**Date Received:** 05/12/98 **Submission #:** 9805000479 **Analytical Run** 26715

| ANALYTE | PQL | RESULT | UNITS |
|---|---|---|---|
| DATE ANALYZED : 05/21/98 | | | |
| ANALYTICAL DILUTION: 2.0 | | | |
| ACETONE | 20 | 40 U | UG/L |
| BENZENE | 5.0 | 10 U | UG/L |
| BROMODICHLOROMETHANE | 5.0 | 10 U | UG/L |
| BROMOFORM | 5.0 | 10 U | UG/L |
| BROMOMETHANE | 5.0 | 10 U | UG/L |
| 2-BUTANONE (MEK) | 10 | 20 U | UG/L |
| CARBON DISULFIDE | 10 | 20 U | UG/L |
| CARBON TETRACHLORIDE | 5.0 | 10 U | UG/L |
| CHLOROBENZENE | 5.0 | 10 U | UG/L |
| CHLOROETHANE | 5.0 | 10 U | UG/L |
| CHLOROFORM | 5.0 | 10 U | UG/L |
| CHLOROMETHANE | 5.0 | 10 U | UG/L |
| DIBROMOCHLOROMETHANE | 5.0 | 10 U | UG/L |
| 1,1-DICHLOROETHANE | 5.0 | 10 U | UG/L |
| 1,2-DICHLOROETHANE | 5.0 | 10 U | UG/L |
| 1,1-DICHLOROETHENE | 5.0 | 10 U | UG/L |
| CIS-1,2-DICHLOROETHENE | 5.0 | 10 U | UG/L |
| TRANS-1,2-DICHLOROETHENE | 5.0 | 10 U | UG/L |
| 1,2-DICHLOROPROPANE | 5.0 | 10 U | UG/L |
| CIS-1,3-DICHLOROPROPENE | 5.0 | 10 U | UG/L |
| TRANS-1,3-DICHLOROPROPENE | 5.0 | 10 U | UG/L |
| ETHYLBENZENE | 5.0 | 10 U | UG/L |
| 2-HEXANONE | 10 | 20 U | UG/L |
| METHYLENE CHLORIDE | 5.0 | 10 U | UG/L |
| 4-METHYL-2-PENTANONE (MIBK) | 10 | 20 U | UG/L |
| STYRENE | 5.0 | 10 U | UG/L |
| 1,1,2,2-TETRACHLOROETHANE | 5.0 | 10 U | UG/L |
| TETRACHLOROETHENE | 5.0 | 10 U | UG/L |
| TOLUENE | 5.0 | 10 U | UG/L |
| 1,1,1-TRICHLOROETHANE | 5.0 | 10 U | UG/L |
| 1,1,2-TRICHLOROETHANE | 5.0 | 10 U | UG/L |
| TRICHLOROETHENE | 5.0 | 250 | UG/L |
| VINYL CHLORIDE | 5.0 | 10 U | UG/L |
| O-XYLENE | 5.0 | 10 U | UG/L |
| M+P-XYLENE | 5.0 | 10 U | UG/L |

| SURROGATE RECOVERIES | QC LIMITS | | |
|---|---|---|---|
| 4-BROMOFLUOROBENZENE | (86 - 115 %) | 102 | % |
| TOLUENE-D8 | (88 - 110 %) | 106 | % |
| DIBROMOFLUOROMETHANE | (86 - 118 %) | 103 | % |

**COLUMBIA ANALYTICAL SERVICES**

**VOLATILE ORGANICS**
METHOD 8260B TCL
Reported: 05/27/98

**Project Reference:**
**Client Sample ID :** METHOD BLANK

**Date Sampled :** **Order #:** 213616 **Sample Matrix:** WATER
**Date Received:** **Submission #:** **Analytical Run** 26715

| ANALYTE | PQL | RESULT | UNITS |
|---|---|---|---|
| DATE ANALYZED : 05/20/98 | | | |
| ANALYTICAL DILUTION: 1.0 | | | |
| ACETONE | 20 | 20 U | UG/L |
| BENZENE | 5.0 | 5.0 U | UG/L |
| BROMODICHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| BROMOFORM | 5.0 | 5.0 U | UG/L |
| BROMOMETHANE | 5.0 | 5.0 U | UG/L |
| 2-BUTANONE (MEK) | 10 | 10 U | UG/L |
| CARBON DISULFIDE | 10 | 10 U | UG/L |
| CARBON TETRACHLORIDE | 5.0 | 5.0 U | UG/L |
| CHLOROBENZENE | 5.0 | 5.0 U | UG/L |
| CHLOROETHANE | 5.0 | 5.0 U | UG/L |
| CHLOROFORM | 5.0 | 5.0 U | UG/L |
| CHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| DIBROMOCHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| CIS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROPROPANE | 5.0 | 5.0 U | UG/L |
| CIS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| ETHYLBENZENE | 5.0 | 5.0 U | UG/L |
| 2-HEXANONE | 10 | 10 U | UG/L |
| METHYLENE CHLORIDE | 5.0 | 5.0 U | UG/L |
| 4-METHYL-2-PENTANONE (MIBK) | 10 | 10 U | UG/L |
| STYRENE | 5.0 | 5.0 U | UG/L |
| 1,1,2,2-TETRACHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TETRACHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TOLUENE | 5.0 | 5.0 U | UG/L |
| 1,1,1-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1,2-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TRICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| VINYL CHLORIDE | 5.0 | 5.0 U | UG/L |
| O-XYLENE | 5.0 | 5.0 U | UG/L |
| M+P-XYLENE | 5.0 | 5.0 U | UG/L |

| SURROGATE RECOVERIES | QC LIMITS | | |
|---|---|---|---|
| 4-BROMOFLUOROBENZENE | (86 - 115 %) | 101 | % |
| TOLUENE-D8 | (88 - 110 %) | 105 | % |
| DIBROMOFLUOROMETHANE | (86 - 118 %) | 100 | % |

**COLUMBIA ANALYTICAL SERVICES**

**VOLATILE ORGANICS**
METHOD 8260B TCL
Reported: 06/29/98

Woodward Clyde Consultants
**Project Reference:** GRIFFIN IRM
**Client Sample ID :** EFF-6-12-98

**Date Sampled :** 06/12/98 **Order #:** 217308 **Sample Matrix:** WATER
**Date Received:** 06/12/98 **Submission #:** 9806000190 **Analytical Run** 27737

| ANALYTE | PQL | RESULT | UNITS |
|---|---|---|---|
| DATE ANALYZED : 06/26/98 | | | |
| ANALYTICAL DILUTION: 1.00 | | | |
| ACETONE | 20 | 20 U | UG/L |
| BENZENE | 5.0 | 5.0 U | UG/L |
| BROMODICHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| BROMOFORM | 5.0 | 5.0 U | UG/L |
| BROMOMETHANE | 5.0 | 5.0 U | UG/L |
| 2-BUTANONE (MEK) | 10 | 10 U | UG/L |
| CARBON DISULFIDE | 10 | 10 U | UG/L |
| CARBON TETRACHLORIDE | 5.0 | 5.0 U | UG/L |
| CHLOROBENZENE | 5.0 | 5.0 U | UG/L |
| CHLOROETHANE | 5.0 | 5.0 U | UG/L |
| CHLOROFORM | 5.0 | 5.0 U | UG/L |
| CHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| DIBROMOCHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| CIS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROPROPANE | 5.0 | 5.0 U | UG/L |
| CIS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| ETHYLBENZENE | 5.0 | 5.0 U | UG/L |
| 2-HEXANONE | 10 | 10 U | UG/L |
| METHYLENE CHLORIDE | 5.0 | 5.0 U | UG/L |
| 4-METHYL-2-PENTANONE (MIBK) | 10 | 10 U | UG/L |
| STYRENE | 5.0 | 5.0 U | UG/L |
| 1,1,2,2-TETRACHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TETRACHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TOLUENE | 5.0 | 5.0 U | UG/L |
| 1,1,1-TRICHLOROETHANE | 5.0 | 7.5 | UG/L |
| 1,1,2-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TRICHLOROETHENE | 5.0 | 320 | UG/L |
| VINYL CHLORIDE | 5.0 | 5.0 U | UG/L |
| O-XYLENE | 5.0 | 5.0 U | UG/L |
| M+P-XYLENE | 5.0 | 5.0 U | UG/L |

| SURROGATE RECOVERIES | QC LIMITS | | |
|---|---|---|---|
| 4-BROMOFLUOROBENZENE | (86 - 115 %) | 101 | % |
| TOLUENE-D8 | (88 - 110 %) | 106 | % |
| DIBROMOFLUOROMETHANE | (86 - 118 %) | 102 | % |

COLUMBIA ANALYTICAL SERVICES

**VOLATILE ORGANICS**
METHOD 8260B TCL
Reported: 06/29/98

**Project Reference:**
**Client Sample ID :** METHOD BLANK

**Date Sampled :** **Order #:** 220623 **Sample Matrix:** WATER
**Date Received:** **Submission #:** **Analytical Run** 27737

DATE ANALYZED : 06/26/98
ANALYTICAL DILUTION: 1.00

| ANALYTE | PQL | RESULT | UNITS |
|---|---|---|---|
| ACETONE | 20 | 20 U | UG/L |
| BENZENE | 5.0 | 5.0 U | UG/L |
| BROMODICHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| BROMOFORM | 5.0 | 5.0 U | UG/L |
| BROMOMETHANE | 5.0 | 5.0 U | UG/L |
| 2-BUTANONE (MEK) | 10 | 10 U | UG/L |
| CARBON DISULFIDE | 10 | 10 U | UG/L |
| CARBON TETRACHLORIDE | 5.0 | 5.0 U | UG/L |
| CHLOROBENZENE | 5.0 | 5.0 U | UG/L |
| CHLOROETHANE | 5.0 | 5.0 U | UG/L |
| CHLOROFORM | 5.0 | 5.0 U | UG/L |
| CHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| DIBROMOCHLOROMETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| CIS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,2-DICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| 1,2-DICHLOROPROPANE | 5.0 | 5.0 U | UG/L |
| CIS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| TRANS-1,3-DICHLOROPROPENE | 5.0 | 5.0 U | UG/L |
| ETHYLBENZENE | 5.0 | 5.0 U | UG/L |
| 2-HEXANONE | 10 | 10 U | UG/L |
| METHYLENE CHLORIDE | 5.0 | 5.0 U | UG/L |
| 4-METHYL-2-PENTANONE (MIBK) | 10 | 10 U | UG/L |
| STYRENE | 5.0 | 5.0 U | UG/L |
| 1,1,2,2-TETRACHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TETRACHLOROETHENE | 5.0 | 5.0 U | UG/L |
| TOLUENE | 5.0 | 5.0 U | UG/L |
| 1,1,1-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| 1,1,2-TRICHLOROETHANE | 5.0 | 5.0 U | UG/L |
| TRICHLOROETHENE | 5.0 | 5.0 U | UG/L |
| VINYL CHLORIDE | 5.0 | 5.0 U | UG/L |
| O-XYLENE | 5.0 | 5.0 U | UG/L |
| M+P-XYLENE | 5.0 | 5.0 U | UG/L |

| SURROGATE RECOVERIES | QC LIMITS | | |
|---|---|---|---|
| 4-BROMOFLUOROBENZENE | (86 - 115 %) | 101 | % |
| TOLUENE-D8 | (88 - 110 %) | 104 | % |
| DIBROMOFLUOROMETHANE | (86 - 118 %) | 98 | % |

**COLUMBIA ANALYTICAL SERVICES, INC.**
1 Mustard St., Suite 250, P.O. Box 90859, Rochester, NY 14609-0859
(716) 288-5380 • FAX (716) 288-8475

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

**(800) 695-7222**

DATE 6-12-98 PAGE 1 OF 1

PROJECT NAME Griffin Elm
PROJECT MANAGER/CONTACT Ken Armstrong
COMPANY/ADDRESS 30775 Bainbridge Rd, Ste 200
Solon, Ohio
TEL (~~216~~ 440) 349-2708 FAX (440) 349-1514
SAMPLER'S SIGNATURE Bob Fabian

**ANALYSIS REQUESTED**

| SAMPLE I.D. | DATE | TIME | LAB I.D. | SAMPLE MATRIX | # OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 | GC/MS SVOA's ☐ 8270A ☐ 625 | GC VOA's ☐ 8010/8020 ☐ 601/602 | PESTICIDES/PCB's ☐ 8080 ☐ 608 | STAR'S LIST 8021 VOA's ☐ TOTAL ☐ TCLP | STAR'S LIST 8270 SVOA's ☐ TOTAL ☐ TCLP | TCLP ☐ METALS ☐ VOA's ☐ SVOA's ☐ H/P | WASTE CHARACTERIZATION ☐ React ☐ Corros. ☐ Ignit. | METALS, TOTAL (LIST BELOW) | METALS, DISSOLVED (LIST BELOW) | 8240 | | | | | | | PRESERVATION pH < 2.0 | pH > 12 | Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EFF-6-12-98 | 6-12-98 | 11:40 | 219308 | WATER | 2 | | | | | | | | | | | X | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |

**RELINQUISHED BY:**
Signature Bob Fabian
Printed Name Bob Fabian
Firm WCC
Date/Time 6-12-98 12:25

**RECEIVED BY:**
Signature VGardner
Printed Name VGardner
Firm CAS
Date/Time 6/12/98 1225

**RELINQUISHED BY:**
Signature
Printed Name
Firm
Date/Time

**RECEIVED BY:**
Signature
Printed Name
Firm
Date/Time

**RELINQUISHED BY:**
Signature
Printed Name
Firm
Date/Time

**RECEIVED BY:**
Signature
Printed Name
Firm
Date/Time

**TURNAROUND REQUIREMENTS**
__ 24 hr. __ 48 hr. __ 5 day
__ Standard (10-15 working days)
__ Provide Verbal Preliminary Results
__ Provide FAX Preliminary Results
Requested Report Date _____

**REPORT REQUIREMENTS**
__ 1. Routine Report
__ 2. Routine Rep. w/CASE Narrative
__ 3. EPA Level III Validatable Package
__ 4. N.J. Reduced Deliverables Level IV
__ 5. NY ASP/CLP Deliverables
__ 6. Site specific QC.

**INVOICE INFORMATION:**
P.O. #:
Bill To:

**SAMPLE RECEIPT:**
Shipping Via: Client
Shipping #: No seal
Temperature: 4 on ice
Submission No: 98-6-190

**SPECIAL INSTRUCTIONS/COMMENTS:**
METALS
ORGANICS: ☐ TCL ☐ PPL ☐ AE Only ☐ BN Only ☐ Special List

65 RAMAPO VALLEY ROAD
MAHWAH, NJ 07430
201-512-3292
FAX 201-512-3362

309 WEST RIDLEY AVE.
RIDLEY PARK, PA 19078
610-521-3083
FAX 610-521-4589