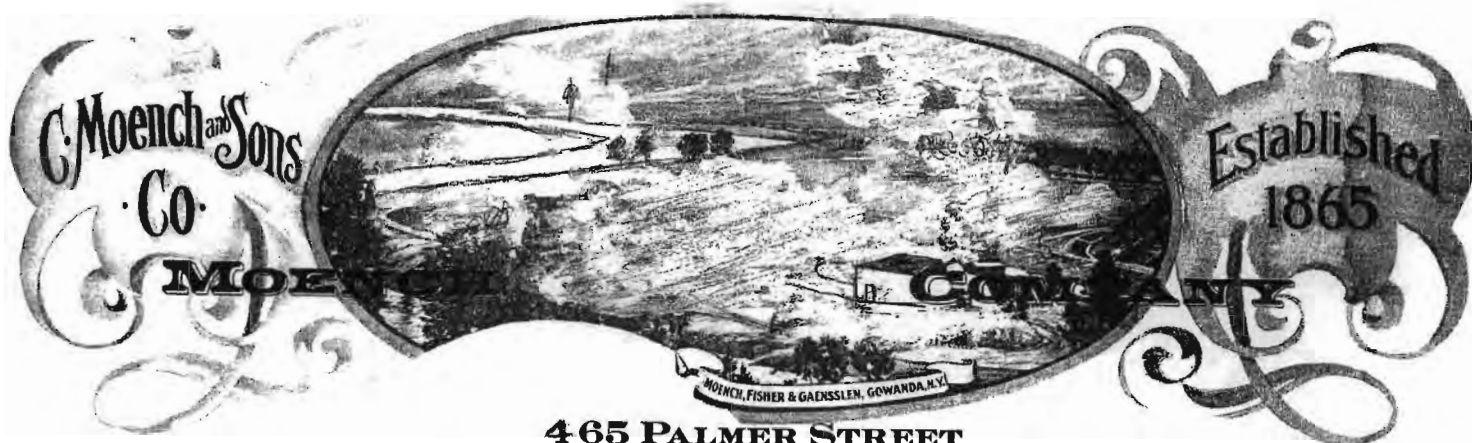




**465 PALMER STREET  
GOWANDA, NEW YORK 14070**

**TEL. 716-532-2201**

**FAX 716-532-5518**

**PALMER STREET LANDFILL:**

**APRIL 2010**

**GROUNDWATER QUALITY MONITORING REPORT:**

**MARCH 2010 MONITORING EVENT:**

**FIRST SAMPLE OF TWO EVENTS FOR 2010:**

RECEIVED  
NYSDEC - REGION 9

APR 28 2010

FOIL  
\_\_\_\_REL \_\_\_\_UNREL

Jeffrey Smith  
Environmental Engineer

PALMER STREET LANDFILL - MOENCH COMPANY.

GROUNDWATER MONITORING REPORT FOR MARCH 2010, SAMPLING EVENT.

TABLE OF CONTENTS:

|                                            | <u>PAGE</u> |
|--------------------------------------------|-------------|
| 1.0 INTRODUCTION                           | 1           |
| 1.1 BACKGROUND-LANDFILL                    | 1           |
| 1.2 PURPOSE AND SCOPE                      | 1           |
| 2.0 MONITORING SYSTEM -LANDFILL            | 2           |
| 3.0 MONITORING METHODS-LANDFILL            | 3           |
| 3.1 GROUNDWATER MONITORING                 | 3           |
| 3.2 INFILTROMETER MONITORING               | 3           |
| 4.0 GROUNDWATER QUALITY MONITORING SUMMARY | 4           |
| 4.1 EVALATION GROUNDWATER QUALITY          | 4           |
| 5.0 GROUNDWATER FLOW                       | 5           |
| 6.0 REFERENCES                             | 6           |

LIST OF TABLES

| <u>TABLE NO.</u> | <u>DESCRIPTION</u>                       | <u>FOLLOWING PAGE</u> |
|------------------|------------------------------------------|-----------------------|
| 1                | MONITORING PARAMETERS                    | 3                     |
| 2                | GROUNDWATER ELEVATIONS                   | 3                     |
| 3                | SUMMARY OF FIELD MEASUREMENTS            | <del>3</del> 4        |
| 4                | INFILTROMETER MEASUREMENTS               | <del>3</del> 4        |
| 5                | SUMMARY OF ANALYTICAL RESULTS-LANDFILL   | 4                     |
| 7                | INVENTORY OF SAMPLING EQUIPMENT/MATERIAL | 6                     |
| 8                | CALIBRATION LOG                          | 6                     |

FIGURES--

| <u>FIGURE NO.</u> | <u>DESCRIPTION</u>           | <u>FOLLOWING PAGE</u> |
|-------------------|------------------------------|-----------------------|
| 1                 | SITE LOCATION                | 1                     |
| 2                 | MONITORING LOCATIONS         | 2                     |
| 3                 | WATER TABLE ISOPOTENTIAL MAP | 5                     |
| 4                 | BEDROCK ISOPOTENTIAL MAP     | 5                     |
| 5                 | WATER LEVEL HYDROGRAPHICS    | 5                     |

TABLE OF CONTENTS (CONTINUED)  
LIST OF APPENDICES

APPENDIX

- A FIELD DATA SHEETS FOR MARCH 24 - 25<sup>TH</sup>, 2010  
MONITORING EVENT..
- B INFILTRMETER DESIGN
- C LAB ANALYTICAL REPORT FOR MARCH 24 - 25,  
2010 MONITORING EVENT. (ISLECHEM, LLC)

## 1.0 INTRODUCTION

### 1.1 BACKGROUND-LANDFILL.

THE MOENCH COMPANY, A DIVISION OF BROWN SHOE CO., AND IS LOCATED NEAR THE SOUTHEAST CORNER OF THE VILLAGE OF GOWANDA, CATTARAUGUS COUNTY, NEW YORK. (FIGURE 1). THE PALMER STREET LANDFILL, WHICH WAS OPERATED BY MOENCH TANNING FROM 1900 (APPROX), THROUGH JULY 1983, LIES IMMEDIATELY SOUTHWEST OF THE (FORMER) TANNERY COMPLEX ON AN APPROXIMATELY 25-ACRE, PARCEL OF LAND. A VARIETY OF WASTE GENERATED BY MOENCH TANNING WERE DISPOSED OF AT THE PALMER STREET LANDFILL SITE. THESE WASTES INCLUDED SOLE LEATHER EXTRACT, RENDERING WASTE, SPRAY BOOTH CLEAN UP WASTE, WASTE FINISH, WASTE HAIR/LEATHER SCRAPS, WASTEWATER TREATMENT PLANT SLUDGE, AND OCCASIONAL CONSTRUCTION DEBRIS.

MOENCH TANNING HAS CLOSED THE PALMER STREET LANDFILL. ACCORDINGLY, THE CLOSURE/POST CLOSURE PLAN (REFERENCE 1), IS BEING PERFORMED. THE LONG-TERM POST CLOSURE MONITORING PROGRAM HAS BEEN APPROVED & IMPLIMENTED. (JULY 1993, REVISED MARCH 1994, MARCH 2001 & DECEMBER 2006).

IN JULY OF 2006, A PROPOSAL WAS MADE TO THE NEW YORK STATE DEPT. OF ENVIRONMENTAL (NYSDEC), TO RECONFIGURE THE GROUNDWATER MONITORING SYSTEM (REF#7). THIS WAS AGREED UPON IN EXCHANGE FOR THE ELIMINATION OF THE FIVE YEAR "COVER SYSTEM EVALUATION". THE NEW MONITORING SYSTEM IS DESCRIBED IN SECTION 2.0

### 1.2 PURPOSE AND SCOPE

SAMPLES ASSOCIATED WITH THE FIRST EVENT OF TWO, WATER QUALITY MONITORS, FOR 2010 YEAR, WERE COLLECTED ON MARCH 24 & 25. DUE TO A MAJOR STORM EVENT, IN AUGUST OF 2009, THE VILLAGE OF GOWANDA'S RESERVOIR WAS DEEMED UNUSABLE. THE VILLAGE REACTIVATED IT'S DEEP AQUIFER PUMP FOR A WATER SUPPLY, FOR THE PAST EIGHT MONTHS. THIS HAS AFFECTED WATER LEVELS IN THE BEDROCK WELLS. SEE GRAPH FIGURE #5.

SAMPLES WERE OBTAINED ONLY BANK SEEP #3, OF THE THREE BANK SEEPS. NO SEEPS EXISTED AT BS-1 & BS-2. CREEK AND RUNOFF SAMPLES WERE OBTAINED IN THEIR PLACE.

SITES MW-5 AND MW-3, WERE DRY, AND NO SAMPLE OBTAINED.



## 2.0 MONITORING SYSTEM(RECONFIGURED 7/06)

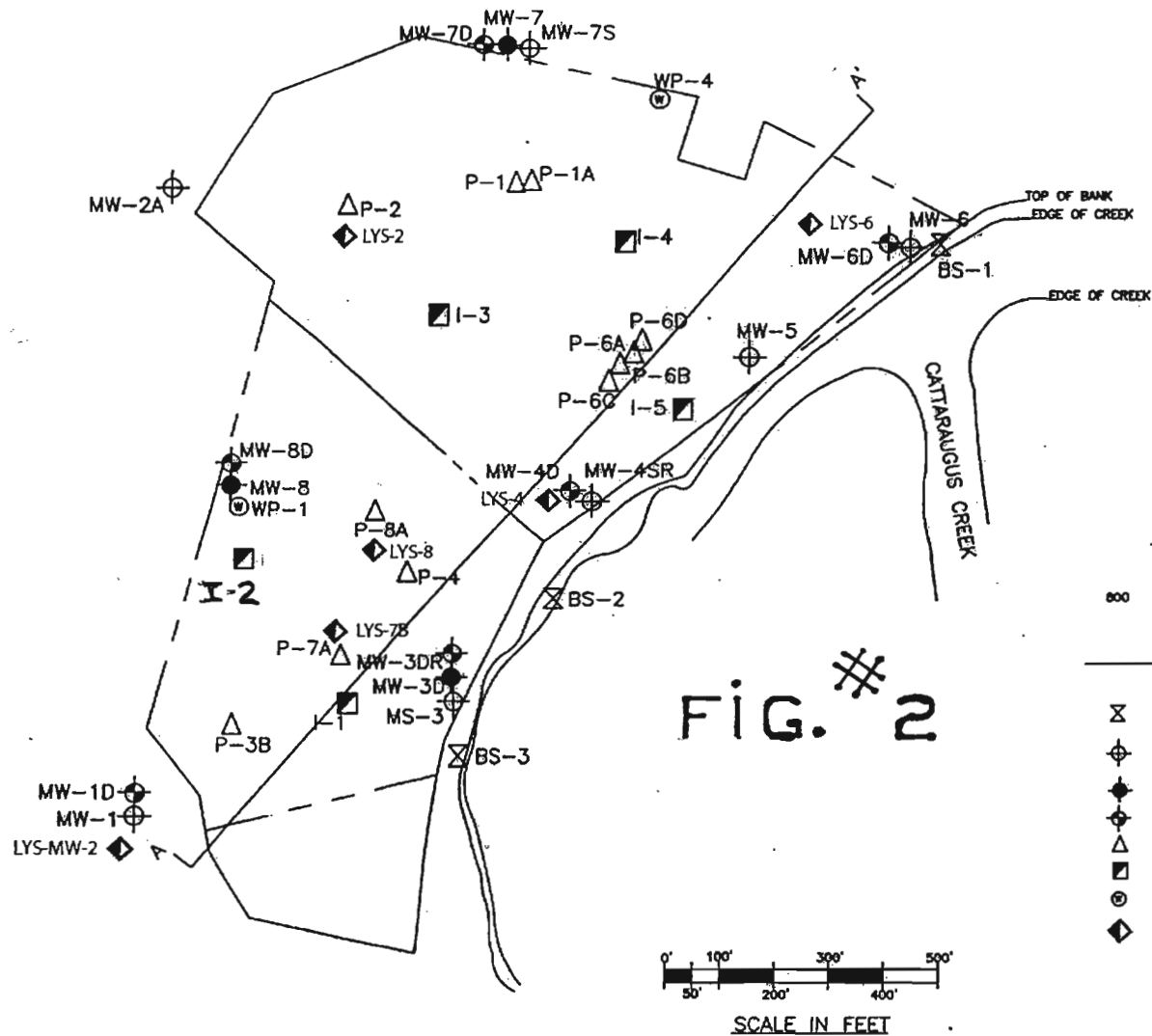
THE RECONFIGURED GROUNDWATER MONITORING SYSTEM FOR THE PALMER STREET LANDFILL(FIG. 2), CONTAINS NINE(9) MONITORING WELLS AND THREE(3) BANK SEEPS. A REVISED POST CLOSURE PLAN, DESCRIBING THE DETAILS, WAS SUBMITTED TO THE NYSDEC 9, IN JANUARY 2007.

| <u>UPGRADIANT<br/>WELLS</u> | <u>OVERBURDEN/WASTE<br/>WELLS</u> | <u>BEDROCK<br/>WELLS</u> |
|-----------------------------|-----------------------------------|--------------------------|
|                             | MW-3                              | MW-3D                    |
| MW-7D                       | MW-4SR                            | MW-4D                    |
| MW-8D                       | MW-5                              | MW-6D                    |
|                             | MW-6                              |                          |

IN ADDITION TO THE WELLS, NYSDEC ALSO REQUIRES THE MONITORING OF THREE (3) BANK SEEPS DESIGNATED AS BS-1, BS-2 AND BS-3, RESPECTIVELY. THE ABILITY TO OBTAIN SAMPLES FROM THESE BANKSEEPS IS SPORADIC DUE TO VARYING WEATHER/MOISTURE CONDITIONS. A BANK SEEP SAMPLE WAS OBTAINED ONLY FROM BS-3. CREEK SAMPLES WERE OBTAINED, IMMEDIATELY ADJACENT TO THE BANK SEEP LOCATION, IN PLACE OF BS-1 & BS-2.

MW-8D IS DOWNGRAIENT FROM GERNATT'S GRAVEL WASHING OPERATION, SETTLING PONDS.

TO AID IN THE EVALUATION OF COVER PERFORMACE, WATER LEVELS FROM FIVE (5) INFILTRMETERS ARE ALSO MONITORED. LOCATIONS OF MONITORING POINTS ARE SHOWN ON FIGURE 2. THE RESULTS CONTINUE TO INDICATE THAT THE COVER SYSTEM IS PERFORMING AS PLANNED. THESE SHOWED MINIMAL INFILTRATION FOR THIS SAMPLING EVENT; TABLE #4.



#### LEGEND

- 800 ISOPOTENTIAL, DOTTED WHERE INFERRED
- GROUNDWATER FLOW DIRECTION
- LANDFILL BOUNDARY AND AREA BOUNDARY DIVIDER
- BANK SEEP
- UPPER OVERBURDEN MONITORING WELL
- LOWER OVERBURDEN MONITORING WELL
- BEDROCK MONITORING WELL
- PIEZOMETER
- INFILTROMETER
- WELL POINT
- LYSIMETER



Geomatrix Consultants, Inc.  
338 Harris Hill Road, Suite 204  
Williamsville, NY

PALMER STREET LANDFILL

SITE PLAN

|          |           |           |            |
|----------|-----------|-----------|------------|
| DATE     | NOV/05/03 | PROJ. NO. | 8104       |
| FILE NO. | N/A       | DWG. NO.  | FIGURE 1.2 |

### 3.0 MONITORING METHODS

#### 3.1 GROUNDWATER MONITORING -LANDFILL

SAMPLES COLLECTED DURING THE MARCH 2010 MONITORING EVENT PERIOD, WERE COLLECTED BY MOENCH COMPANY PERSONNEL, AND ANALYZED BY ISLECHEM LLC, GRAND ISLAND, NEW YORK. THIS IS A CHANGE IN LABORATORY, (1/2008) FROM PRIOR YEARS. THE ANALYSIS IS PERFORMED IN ACCORDANCE WITH THE SAMPLING PLAN/QUALITY ASSURANCE PLAN FOR THE PALMER STREET LANDFILL (REFERENCE 3). LABORATORY ANALYSIS WERE PERFORMED IN ACCORDANCE WITH THE USEPA SW-846, 3RD EDITION. THE MONITORING PARAMETERS ARE LISTED IN TABLE 1. SAMPLES WERE NOT AVAILABLE FROM TWO WELLS AND TWO BANK SEEPS, IDENTIFIED IN SECTION 2.0.

PRIOR TO SAMPLING, STATIC WATER LEVEL ELEVATIONS WERE MEASURED IN THE MONITORING WELLS AND THE WELLS WERE PURGED (SEE TABLE 2. GROUNDWATER ELEVATIONS WERE ALSO MEASURED IN THE PIEZOMETERS, INFILTRMETERS, AND WELLS ON-SITE.

FIELD SAMPLES WERE COLLECTED AND MEASURED FOR THE FIELD PARAMETERS IDENTIFIED IN TABLE 1. THE FIELD MEASUREMENTS ARE SUMMARIZED IN TABLE #3.....

#### 3.2 INFILTRMETER MONITORING

FIVE INFILTRMETERS HAVE BEEN INSTALLED BENEATH THE LANDFILL CAP TO AID IN THE ASSESSMENT OF PERFORMANCE OF THE CAP. DURING EACH SAMPLING EVENT, WATER LEVELS IN THE INFILTRMETER ARE MEASURED AND THE AMOUNT OF WATER INFILTRATING CALCULATED.

NOTE: IT IS BELIEVED THAT INFILTRMETER #1, IS OFTEN FLOODED DUE TO NEIGHBORING SPRINGS AND GRAVEL SETTLING PONDS. THIS CREATES A HIGH WATER TABLE, IN THE SOUTH END OF AREA #2.

A SCHEMATIC SHOWING THE DESIGN AND DIMENSIONS OF THE INFILTRMETERS IS PRESENTED IN APPENDIX "B".

TABLE 1

MOENCH TANNING COMPANY  
PALMER STREET LANDFILL

**MONITORING PARAMETERS**

Soluble Arsenic<sup>(1)</sup>  
Soluble Chromium<sup>(1)</sup>  
Soluble Lead<sup>(1)</sup>  
  
Volatile Organics<sup>(2)(3)</sup>  
  
pH<sup>(4)</sup>  
Specific Conductance<sup>(4)</sup>  
Turbidity<sup>(4)</sup> – ~~VISUAL~~  
Groundwater Elevation<sup>(4)</sup>  
Temperature<sup>(4)</sup>  
Odor<sup>(4)</sup>  
Sample Appearance<sup>(4)</sup>

**Notes:**

1. All samples collected for analysis of soluble metals are pressure-filtered in the field immediately upon sample collection.
2. The list of VOC analytes are those compounds included in SW-846, Method 8260.
3. Analysis for VOCs are not performed on pore water samples during performance monitoring events.
4. Field parameters (i.e., pH, specific conductance, temperature and turbidity) are measured in the field by sampling personnel. Laboratory analysis of these parameters will not be required.

MOENCH COMPANY  
400 PALMER ST.  
GOWANDA, NY 14070

SAMPLERS J. Smith

PALMER STREET LANDFILL :

DATE 3/23/10

GROUNDWATER ELEVATIONS: (TABLE #2)

| WELL #  | ELEVATION<br>TOP OF PVC(FT) | TOTAL DEPTH<br>FROM TOP OF PVC(FT)        | WATER DEPTH(FT)<br>FROM TOP OF PVC | WATER(FT)<br>ELEVATION |
|---------|-----------------------------|-------------------------------------------|------------------------------------|------------------------|
| MW-1    | 826.05                      | 31.90                                     | 3.82                               | 822.23                 |
| MW-1D   | 827.82                      | 189.90 <sup>1965</sup>                    | 28.58                              | 799.24                 |
| MW-2A   | 810.62                      | 16.15                                     | 2.50                               | 808.12                 |
| MW-3    | 810.81                      | 16.70 <sup>3/09</sup><br><del>20.76</del> | <sup>MWD</sup> 15.93               | ONLY<br>MWD / BTM      |
| MW-3D   | 810.73                      | 67.70                                     | 13.98                              | 796.75                 |
| MW-3DR  | 810.47                      | 102.30                                    | 12.80                              | 797.67                 |
| MW-4 SR | 806.75                      | 25.00                                     | 12.29                              | 794.46                 |
| MW-4D   | 805.93                      | 75.41                                     | 11.92                              | 794.01                 |
| MW-5    | 805.35                      | 18.20                                     | DRY                                | DRY                    |
| MW-6    | 800.48                      | 18.78                                     | 14.95                              | 785.53                 |
| MW-6D   | 800.63                      | 37.03                                     | 17.15                              | 783.48                 |
| MW-7S   | 800.38                      | 14.50                                     | 6.27                               | 794.11                 |
| MW-7    | 800.50                      | 30.60                                     | 5.12                               | 795.38                 |
| MW-7D   | 800.39                      | 42.10                                     | 4.90                               | 795.49                 |
| MW-8    | 821.82                      | 15.96                                     | 15.94                              | DRY                    |
| MW-8D   | 821.89                      | 127.70                                    | Pump in it                         | =                      |

INFILTRMETERS:

|    |      |      |                                |
|----|------|------|--------------------------------|
| #1 | 9.00 | 4.00 | FLPODED WATER<br>IN 100 G.S.E. |
| #2 | 8.80 | 7.42 | —                              |
| #3 | 9.00 | 6.92 | —                              |
| #4 | 8.92 | 6.52 | —                              |
| #5 | 9.00 | 6.89 | —                              |

Palmer st. Landfill

(TABLE #2) continued

3/23/10

J/Smith smpl date

GROUNDWATER ELEVATIONS:

| WELL # | ELEVATION<br>TOP OF PVC(FT) | TOTAL DEPTH<br>FROM TOP OF PVC(FT) | WATER DEPTH(FT)<br>FROM TOP OF PVC | WATER (FT)<br>ELEVATION |
|--------|-----------------------------|------------------------------------|------------------------------------|-------------------------|
| P-1    | 811.85                      | 20.85 <sup>LOS</sup>               | 16.40                              | 795.45                  |
| P-1A   | 811.91                      | 17.60                              | 16.31                              | 795.60                  |
| P-2    | 811.94                      | 20.05                              | 10.57                              | 801.37                  |
| P-3B   | 822.07                      | 17.70                              | 2.95 POND<br>AROUND                | 819.12                  |
| P-4    | 813.54                      | 20.00                              | 14.10                              | 799.44                  |
| P-7A   | 816.92                      | 24.20                              | 19.33                              | 797.59                  |
| P-8A   | 809.00                      | 17.03                              | 17.05 MUD                          | BTM<br>MUD              |
| WP-1   | By MW 8D<br>822.16          | 11.73                              | 8.47                               | 813.69                  |
| WP-4   | By RES.<br>806.31           | 14.55                              | —                                  | —                       |
| P-6A   | 810.37                      | 26.50                              | LOCK<br>FROZEN                     | —                       |
| P-6B   | 810.35                      | 41.10                              | 18.32                              | 792.03                  |
| P-6C   | 810.36                      | 22.96                              | 17.50                              | 792.86                  |
| P-6D   | 810.30                      | 61.25                              | 17.97                              | 792.33                  |
|        |                             |                                    |                                    |                         |

Pipe WRENCH

(WP 1 OR 4)

\* VILLAGE pumping FROM DEEP  
AQUIFER FOR PAST 8  
MONTHS.

#### 4.0 GROUNDWATER QUALITY MONITORING RESULTS:

##### 4.1 EVALUATION OF GROUNDWATER ELEVATION DATA:

GROUNDWATER ELEVATION MEASUREMENTS WERE TAKEN AT EACH OF THE ACCESSIBLE ON-SITE MONITORING WELLS, PIEZOMETERS, AND WELL POINTS, DURING THE MARCH 2010, MONITORING EVENT. THE DATA ARE SUMMARIZED IN TABLE 2.

PLOTS OF THE GROUNDWATER ELEVATIONS MEASURED IN THE MONITORING WELLS WITH RESPECT TO TIME ARE PRESENTED IN FIGURE 3, 4, AND 5, FOR THE SHALLOW OVERBURDEN, DEEP OVERBURDEN AND BEDROCK WELLS, ON THE LANDFILL, RESPECTIVELY. AS SHOWN IN FIGURES 3 AND 4, OVERBURDEN GROUNDWATER ELEVATIONS WERE GENERALLY CONSISTENT, THROUGHOUT THE MONITORING PERIOD. WATER LEVELS HAVE STABILIZED, AFTER THREE YEARS OF INCREASES. ('92-'94). THIS OCCURRED DUE TO CESSATION OF VILLAGE AND TANNERY PUMPING OF THE DEEP AQUIFERS. SOME SLIGHT SEASONAL FLUCTUATION DOES OCCUR. IN AUGUST, 2009, A DRAMATIC FLOOD OCCURRED IN THE GOWANDA AREA, THAT DISABLED THE VILLAGE RESERVIOR FOR AN EXTENDED TIME. THEY HAVE HAD TO USE THE DEEP WELL AGAIN, WHICH HAS HAD THE EFFECT OF LOWERING THE LEVELS IN SOME OF THE BEDROCK WELLS.

4.2 THE GROUNDWATER AND SURFACE WATER QUALITY RESULTS FOR THE MARCH 2010, MONITORING EVENTS, AT THE PALMER STREET LANDFILL, ARE PRESENTED IN TABLES #3 THROUGH #5.

. IT SHOULD BE NOTED THAT THESE TABLES INCLUDE ONLY THOSE PARAMETERS, WHICH WERE DETECTED ABOVE ANALYTICAL DETECTION LIMITS, AT A MINIMUM OF ONE LOCATION. COMPARISON OF THE MONITORING EVENT DATA TO THE NYSDEC CLASS "GA" GROUNDWATER QUALITY STANDARDS/GUIDANCE VALUES IS ALSO PRESENTED THESE TABLES.

BOTH THE SOIL AND WASTE AT THE PALMER STREET LANDFILL CONTAIN METALS-OF-INTEREST AS A COMPONENT OF THE SOIL OR WASTE PARTICLES (REFERENCE 5). THEREFORE, THE SEDIMENT (OR TURBIDITY) CONTENT OF ANY GROUNDWATER OR SURFACE WATER QUALITY SAMPLES WILL DIRECTLY IMPACT THE TOTAL METAL CONCENTRATION OF THE SAMPLES. THE TURBIDITY CONTENT OF THE GROUNDWATER SAMPLES COLLECTED AT THE SITE IS EXTREMELY VARIABLE AND RELATIVELY HIGH BECAUSE THE SOIL AND WASTE FILL BOTH CONTAIN HIGH PERCENTAGES OF FINE-GRAINED PARTICLES. AS NYSDEC HAS PREVIOUSLY AGREED, IN ORDER TO AVOID MIS-INTERPRETATION OF WATER QUALITY DATA, TOTAL METALS WILL NO LONGER SAMPLED FOR GROUNDWATER QUALITY STANDARDS OR EVALUATIONS, OF GROUNDWATER QUALITY IMPACTS WILL BE BASED ON SOLUBLE METAL CONCENTRATIONS.

ALSO, TOTAL NOR SOLUBLE BARIUM WILL NO LONGER BE SAMPLED FOR IN THE AGREEMENT WITH NYSDEC, AS THE ELEMENT, IS NATURALLY ELEVATED CONCENTRATION IN NATIVE SOIL.

I SHOULD BE NOTED THAT SEVERAL ON THE "ADDED" MONITORING WELL, ARE SCREENED IN THE WASTE. SUMMARY OF THE SAMPLING RESULTS IS AS FOLLOWS:

--SOLUBLE ARSENIC WAS DETECTED AT MW-6, ABOVE THE CLASS "GA" STANDARD. MW-6 IS SCREENED IN THE WASTE, AND A NATURALLY OCCURRING ELEMENT IN THE AREA.

--ACETONE WAS DETECTED AT MW-6, JUST ABOVE THE GUIDANCE VALUE.

--THE "Ph" AT MW-4SR AND MW-6 WERE SLIGHTLY ACIDIC. (6.61 & 6.53)

TABLE 3

MOENCH COMPANY  
PALMER STREET LANDFILL

3/24-3/25/10 MONITORING EVENT

## SUMMARY OF FIELD MEASUREMENTS

| Location  | Sampling Date | Sampling Time | Temp. (°C)  | pH (units) | Conductance <sup>(1)</sup> (umhos/cm) | Turbidity | Sample Appearance | Sample Odor |
|-----------|---------------|---------------|-------------|------------|---------------------------------------|-----------|-------------------|-------------|
| * MW-3    | 3/24/10       | ** DRY -      | MUD - NO    | SAMPLE -   |                                       | NA        | -                 | -           |
| *** MW-3D | 3/24/10       | 1140          | 12.4        | 8.14       | 420                                   | "         | SLIGHT TURB.      | NO          |
| * MW-4SR  | 3/24/10       | 940           | 10.9        | 6.61       | 960                                   | "         | TURBID - RED      | ORGANIC     |
| *** MW-4D | 3/24/10       | 1045          | 12.6        | 7.98       | 640                                   | "         | SLIGHT TUR.       | NO          |
| * MW-5    | 3/23/10       | ** DRY -      | NO SAMPLE * |            |                                       | "         | -                 | -           |
| * MW-6    | 3/24/10       | 830           | 12.7        | 6.53       | 1700                                  | "         | TURBID-BLK        | ORGANIC     |
| *** MW-6D | 3/24/10       | 803           | 13.5        | 7.92       | 1400                                  | "         | clear             | NO          |
| *** MW-7D | 3/25/10       | 1020          | 10.9        | 7.96       | 650                                   | "         | clear             | NO          |
| *** MW-8D | 3/25/10       | 937           | 12.3        | 7.71       | 460                                   | "         | clear             | NO          |
| (A) BS-1  | 3/24/10       | 915           | 7.20        | 8.15       | 260                                   | "         | BROWN             | NO          |
| (B) BS-2  | 3/24/10       | 1020          | 9.1         | 7.77       | 220                                   | "         | clear             | NO          |
| BS-3      | 3/25/10       | 850           | 7.2         | 7.56       | 680                                   | "         | ALMOST CLR        | N           |

## NOTES:

6.5-8.5 (std)

- (1) Conductivity readings corrected to 25°C.
- (2) Blind Duplicate MW-3D
- (3) MW-7D is apparent hydraulically upgradient bedrock well.

\* Shallow Overburden Well  
\*\*\* Bedrock Well

\*\* Upgradient  
BS Bank Seep

(A) NO BANK SEEP, TOOK CREEK SAMPLE.  
(B) NO BANK SEEP - TOOK DITCH RUNOFF SAMPLE BY HEADWALL.

TABLE 4

MOENCH COMPANY  
PALMER STREET LANDFILL  
MARCH 2010 MONITORING EVENT

## INFILTROMETER MEASUREMENTS

| Infiltrometer | Static<br>Water Level<br>*<br>(ft)<br>8-3-09 | Static<br>Water Level<br>(ft)<br>3-23-10 | $\Delta$ Depth-gal<br>(ft) | # Days<br>Between<br>Readings<br>(#) | Infiltration Rate       |                      | Approx.<br>Total<br>Rainfall<br>This Period<br>(ft) | Infiltration<br>(%) |
|---------------|----------------------------------------------|------------------------------------------|----------------------------|--------------------------------------|-------------------------|----------------------|-----------------------------------------------------|---------------------|
|               |                                              |                                          |                            |                                      | gal/day.ft <sup>2</sup> | (cm/sec)             |                                                     |                     |
| I-1           | 4.15                                         | 4.00                                     | .15                        | 232                                  | .0003                   | $1.4 \times 10^{-8}$ | 3.44                                                | .9                  |
| I-2           | 5.55                                         | 7.42                                     | NEGATIVE                   | —                                    | —                       | —                    | —                                                   | —                   |
| I-3           | 6.78                                         | 6.92                                     | NEGATIVE                   | —                                    | —                       | —                    | —                                                   | —                   |
| I-4           | 6.93                                         | 6.52                                     | .39                        | 232                                  | .0008                   | $3.8 \times 10^{-8}$ | 3.44                                                | 2.1                 |
| I-5           | 7.11                                         | 6.89                                     | .22                        | 232                                  | .0005                   | $2.4 \times 10^{-8}$ | 3.44                                                | 1.3                 |

Note:

\*\* Negative  $\Delta D$  precludes calculation of meaningful data.

\* EXTREMELY RAINY SUMMER.

\* Aug 10, 2009 - 7" OF RAIN FELL IN AREA.

TABLE 5

MOENCH COMPANY  
PALMER STREET LANDFILL

3/24-3/25/10 MONITORING EVENT<sup>(1)</sup>

## SUMMARY OF ANALYTICAL RESULTS

|                    | Quantitation<br>Limit | **<br>MW-3 | MW-3D | **<br>MW-4SR | MW4D | **<br>MW-5 | **<br>MW-6 | MW-6D | Class<br>"GA" Std. |
|--------------------|-----------------------|------------|-------|--------------|------|------------|------------|-------|--------------------|
| Metals (mg/l):     |                       |            |       |              |      |            |            |       |                    |
| Arsenic - Soluble  | 0.005                 | DRY        | .009  | ND           | ND   | DRY        | .040       | ND    | .025mg/l           |
| Chromium - Soluble | 0.005                 | WE         | ND    | .017         | ND   | WE         | ND         | ND    | .05                |
| Lead - Soluble     | 0.005                 | L<br>L.    | ND    | ND           | ND   | L<br>L.    | ND         | ND    | .025               |
|                    |                       | NO         |       |              |      | NO         |            |       |                    |
|                    |                       | S          |       |              |      | S          |            |       |                    |
| Volatiles mg/L     |                       | A          | ND    | ND           | ND   | A          |            | ND    |                    |
| ACETONE            |                       | M          |       |              |      | M          | .062       |       | GUIDE VALUE .05    |
|                    |                       | P          |       |              |      | P          |            |       |                    |
|                    |                       | L          |       |              |      | L          |            |       |                    |
|                    |                       | E          |       |              |      | E          |            |       |                    |

\*\* Screened in Waste/Overburden.

Blind Duplicate MW-3D

TABLE 5

MÖENCH COMPANY  
PALMER STREET LANDFILL  
MONITORING EVENT<sup>(1)</sup>

3/24 - 3/25/10

## SUMMARY OF ANALYTICAL RESULTS

MW-3D

|                    | Quantitation<br>Limit | MW-7D | MW-8D | BS-1 (A) | BS-2 (B) | BS-3 | Blind<br>Duplic | Egpt<br>BLANK | Class<br>"GA" Std. |
|--------------------|-----------------------|-------|-------|----------|----------|------|-----------------|---------------|--------------------|
| Metals (mg/l):     |                       |       |       |          |          |      |                 |               |                    |
| Arsenic - Soluble  | 0.005                 | ND    | ND    | ND       | ND       | ND   | .015            | ND            | .025mg/l           |
| Chromium - Soluble | 0.005                 | ND    | ND    | ND       | ND       | ND   | ND              | ND            | .05                |
| Lead - Soluble     | 0.005                 | ND    | ND    | ND       | ND       | ND   | ND              | ND            | .025               |
|                    |                       |       |       |          |          |      |                 |               |                    |

|                |    |    |    |    |    |    |    |    |  |
|----------------|----|----|----|----|----|----|----|----|--|
| Volatiles mg/L | ND | ND | ND | ND | ND | ND | ND | ND |  |
|                |    |    |    |    |    |    |    |    |  |
|                |    |    |    |    |    |    |    |    |  |
|                |    |    |    |    |    |    |    |    |  |
|                |    |    |    |    |    |    |    |    |  |
|                |    |    |    |    |    |    |    |    |  |
|                |    |    |    |    |    |    |    |    |  |

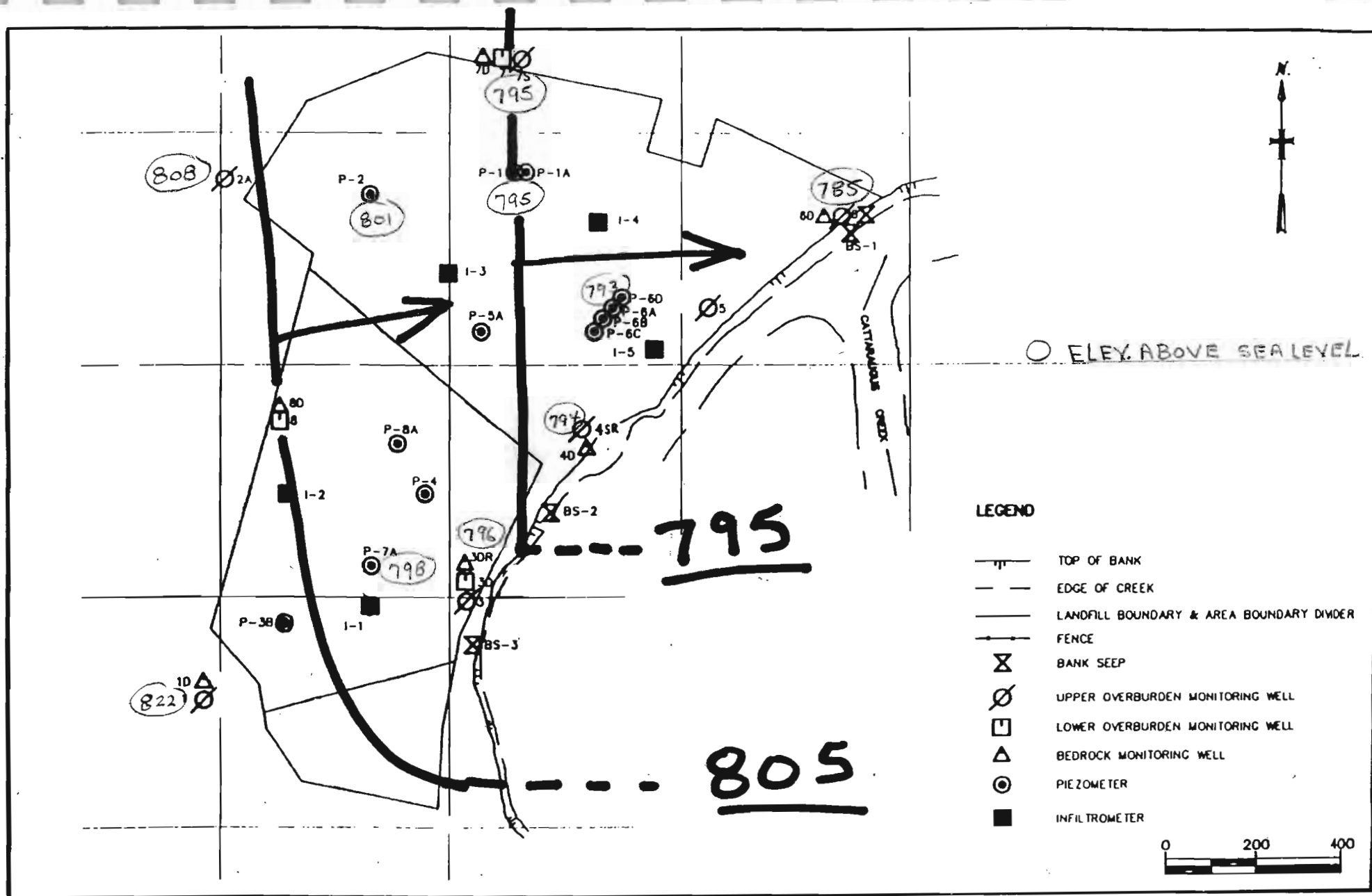
(A) CREEK SAMPLE - NO BANK SEEP.

(B) RUN OFF SAMPLE - NO BANK SEEP.

## 5.0 GROUNDWATER FLOW

A WATER TABLE ISOPOTENTIAL MAP, BEDROCK ISOPOTENTIAL MAP AND A BEDROCK WATER LEVEL HYDROGRAPH HAVE BEEN PREPARED FOR THE PALMER STREET LANDFILL AND ARE PRESENTED IN FIGURES 3,4 AND 5, RESPECTIVELY. GROUNDWATER ELEVATIONS MEASURED ON MARCH 23, 2010, WERE USED IN PREPARING THE WATER TABLE AND BEDROCK ISOPOTENTIAL MAP. THEY INDICATE THAT THE SHALLOW GROUNDWATER FLOW IS PRIMARILY TO THE EAST, TOWARD CATTARAUGUS CREEK. THE BEDROCK ISOPOTENTIAL MAP AND THE BEDROCK WATER LEVEL HYDROGRAPH ILLUSTRATE A "LEVELING OFF" AFTER 3 YEARS ('92-94) OF RISING GROUNDWATER LEVELS AT WELLS MW-1D, MW-3DR AND MW-8D. MW-1D AND MW-8D, WHICH WERE FORMERLY (BEFORE '92) DOWNGRAIENT WELLS, ARE NOW UPGRADIENT OF THE LANDFILL.

AS MENTIONED PRIOR, THE VILLAGE HAS HAD TO USE THE DEEP AQUIFER, FOR A WATER SUPPLY SOURCE FOR THE PAST 8 MONTHS. THIS HAS HAD AN EFFECT ON THE WATER LEVELS IN THE BEDROCK WELLS, AND SOME EFFECT ON THE GROUNDWATER FLOW.



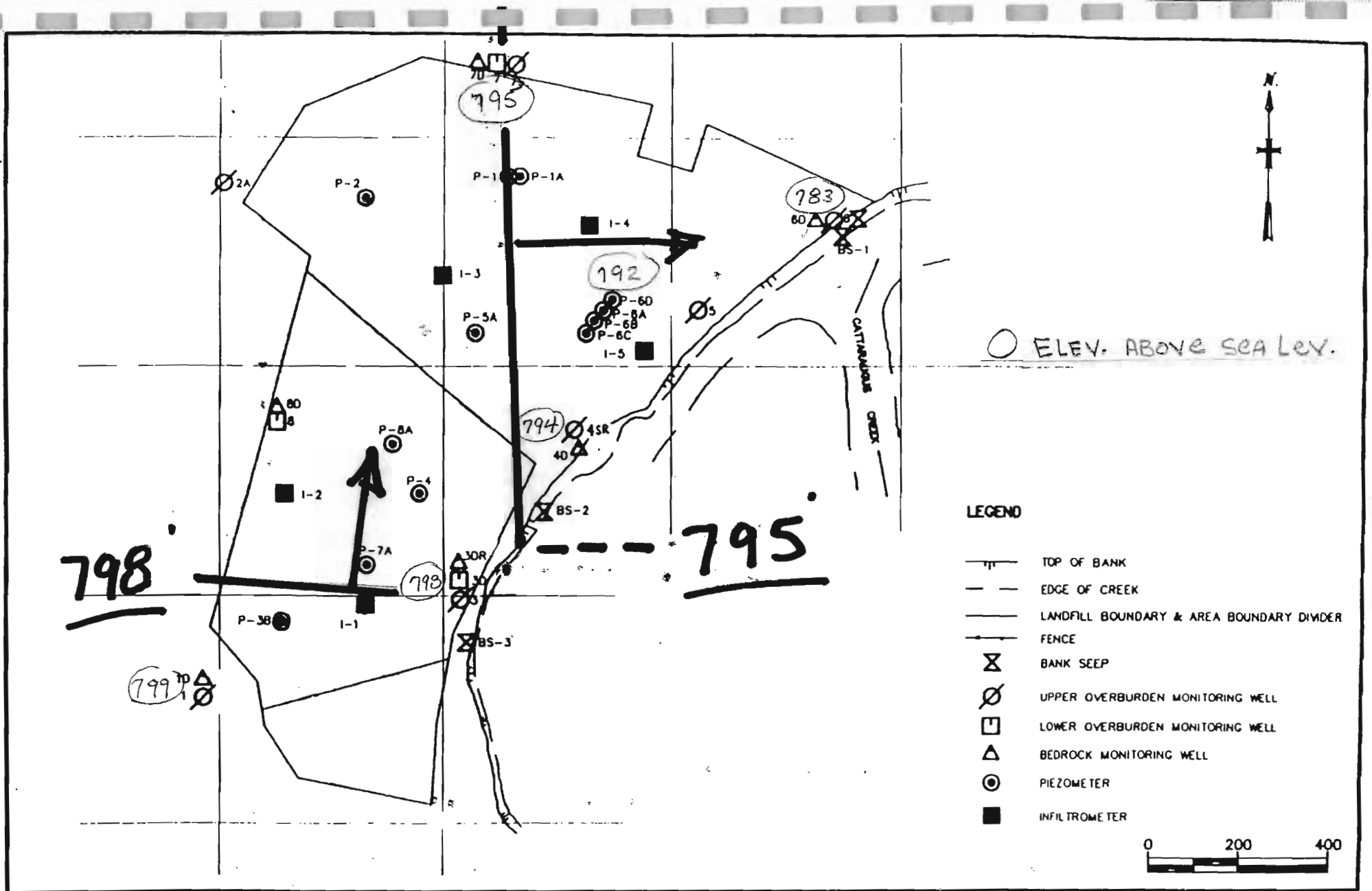


FIG. # 4

PALMER STREET LANDFILL  
 BEDROCK ISOPOTENTIAL MAP  
 3/23/10 MONITORING EVENT  
 MOENCH TANNING COMPANY JULY 1992

FIGURE

|        |        |        |          |        |                                                                           |        |        |        |        |        |        |        |        |        |        |          |        |        |        |        |  |  |  |
|--------|--------|--------|----------|--------|---------------------------------------------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|--------|--------|--------|--|--|--|
|        |        |        |          |        | PALMER STREET LANDFILL<br>MOENCH COMPANY<br>GROUNDWATER ELEVATION vs TIME |        |        |        |        |        |        |        |        |        |        | Apr. '10 |        |        |        |        |  |  |  |
|        |        |        | (FIG.#5) |        | BEDROCK MONITOR WELLS & PIEZOMETERS                                       |        |        |        |        |        |        |        |        |        |        | FIG. #5  |        |        |        |        |  |  |  |
|        | Jan-90 | Apr-90 | Jul-90   | Oct-90 | Jan-91                                                                    | May-91 | Jul-91 | Oct-91 | Jan-92 | May-92 | Jul-92 | Oct-92 | Feb-93 | May-93 | Jul-93 | Oct-93   | Mar-94 | Jun-94 | Sep-94 | Dec-94 |  |  |  |
| MW-3DR | 773    | 773    | 773      | 773    | 772                                                                       | 775    | 787    | 775    | 777    | 777    | 778    | 783    | 786    | 789    | 792    | 794      | 797    | 797    | 799    | 799    |  |  |  |
| MW-7D  | 795    | 794    | 794      | 795    | 795                                                                       | 794    | 794    | 795    | 793    | 792    | 792    | 793    | 793    | 792    | 790    | 793      | 792    | 791    | 793    | 794    |  |  |  |
| MW-8D  | 766    | 766    | 767      | 767    | 763                                                                       | 770    | 773    | 771    | 773    | 772    | 776    | 786    | 790    | 794    | 796    | 798      | 802    | 803    | 804    | 804    |  |  |  |
| MW-1D  |        |        |          |        | 743                                                                       | 762    | 765    | 752    | 756    | 758    | 776    | 795    | 798    | 801    | 802    | 807      | 811    | 810    | 810    | 813    |  |  |  |
| MW-6D  |        |        |          |        | 783                                                                       | 781    | 787    | 781    | 781    | 781    | 782    | 782    | 781    | 781    | 781    | 782      | 784    | 780    | 782    | 782    |  |  |  |
| P-6D   |        |        |          |        | 790                                                                       | 790    | 790    | 790    | 790    | 790    | 790    | 789    | 789    | 789    | 789    | 789      | 789    | 785    | 789    | 789    |  |  |  |

|        |        |        |        |        |        |        |        |        |        |        |        |        | <del>Nov-00</del> | APR. '10 |          |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------|----------|----------|--------|--------|--------|--------|--------|
|        |        |        |        |        |        |        |        |        |        |        |        |        |                   |          | (FIG #5) |        |        |        |        |        |
|        | Mar-95 | Jun-95 | Sep-95 | Dec-95 | Apr-96 | Aug-96 | Nov-96 | Apr-97 | Aug-97 | Nov-97 | Apr-98 | Aug-98 | Nov-98            | Apr-99   | Aug-99   | Nov-99 | Apr-00 | Sep-00 | Mar-01 | Aug-01 |
| MW-3DR | 800    | 800    | 799    | 798    | 801    | 800    | 801    | 801    | 802    | 802    | 803    | 799    | 799               | 801      | 801      | 801    | 802    | 803    | 803    | 800    |
| MW-7D  | 794    | 793    | 794    | 795    | 795    | 794    | 794    | 795    | 795    | 796    | 796    | 795    | 795               | 795      | 795      | 795    | 795    | 795    | 797    | 796    |
| MW-8D  | 805    | 805    | 804    | 805    | 805    | 805    | 805    | 806    | 807    | 808    | 809    | 800    | 803               | 805      | 807      | 806    | 808    | 808    | 809    | 808    |
| MW-1D  | 814    | 809    | 810    | 812    | 813    | 813    | 814    | 815    | 816    | 816    | 818    | 795    | 806               | 813      | 818      | 814    | 816    | 816    | 818    | 817    |
| MW-6D  | 784    | 781    | 781    | 779    | 782    | 782    | 783    | 782    | 782    | 783    | 782    | 781    | 782               | 783      | 781      | 781    | 783    | 783    | 783    | 782    |
| P-6D   | 789    | 790    | 790    | 788    | 790    | 790    | 791    | 791    | 791    | 791    | 792    | 792    | 790               | 791      | 791      | 791    | 792    | 792    | 792    | 792    |

|        |         |         |          |          |          |          |          |                   |          |          |          |          |          |          |          |          |          |  |
|--------|---------|---------|----------|----------|----------|----------|----------|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--|
|        |         |         |          |          |          |          |          | <del>Nov-00</del> | APR '10  |          |          |          |          |          |          |          |          |  |
|        |         |         | Fig. #5  |          |          |          |          |                   |          |          | FIG. #5  |          |          |          |          |          |          |  |
|        | Apr.-02 | Aug.-02 | Mar. '03 | Aug. '03 | MAR. '04 | AUG. '04 | Apr. '05 | Aug. '05          | APR. '06 | Aug. '06 | Mar. '07 | Aug. '07 | Mar. '08 | Aug. '08 | Mar. '09 | Aug. '09 | Mar. '10 |  |
| MW-3DR | 803     | 803     | 802      | 803      | 804      | 803      | 803      | 803               | 804      | 803      | 805      | 805      | 805      | 805      | 805      | 805      | 798      |  |
| MW-7D  | 796     | 796     | 796      | 796      | 797      | 796      | 796      | 796               | 796      | 795      | 796      | 796      | 794      | 795      | 795      | 796      | 795      |  |
| MW-8D  | 809     | 809     | 808      | 809      | 809      | 809      | 809      | 809               | 810      | 810      | 810      | 810      | 810      | 810      | 810      | 810      | pump in  |  |
| MW-1D  | 819     | 819     | 817      | 818      | 818      | 819      | 818      | 819               | 819      | 818      | 819      | 821      | 821      | 821      | 822      | 822      | 799      |  |
| MW-6D  | 783     | 782     | 784      | 782      | 783      | 780      | 784      | 782               | 783      | 782      | 785      | 782      | 783      | 782      | 784      | 782      | 783      |  |
| P-6D   | 793     | 793     | 793      | 792      | 793      | 792      | 792      | 792               | 792      | 791      | 793      | 793      | 793      | 794      | 793      | 793      | 792      |  |

Fig \* 5

# Palmer L/Fill; Bedrock GW Elev.

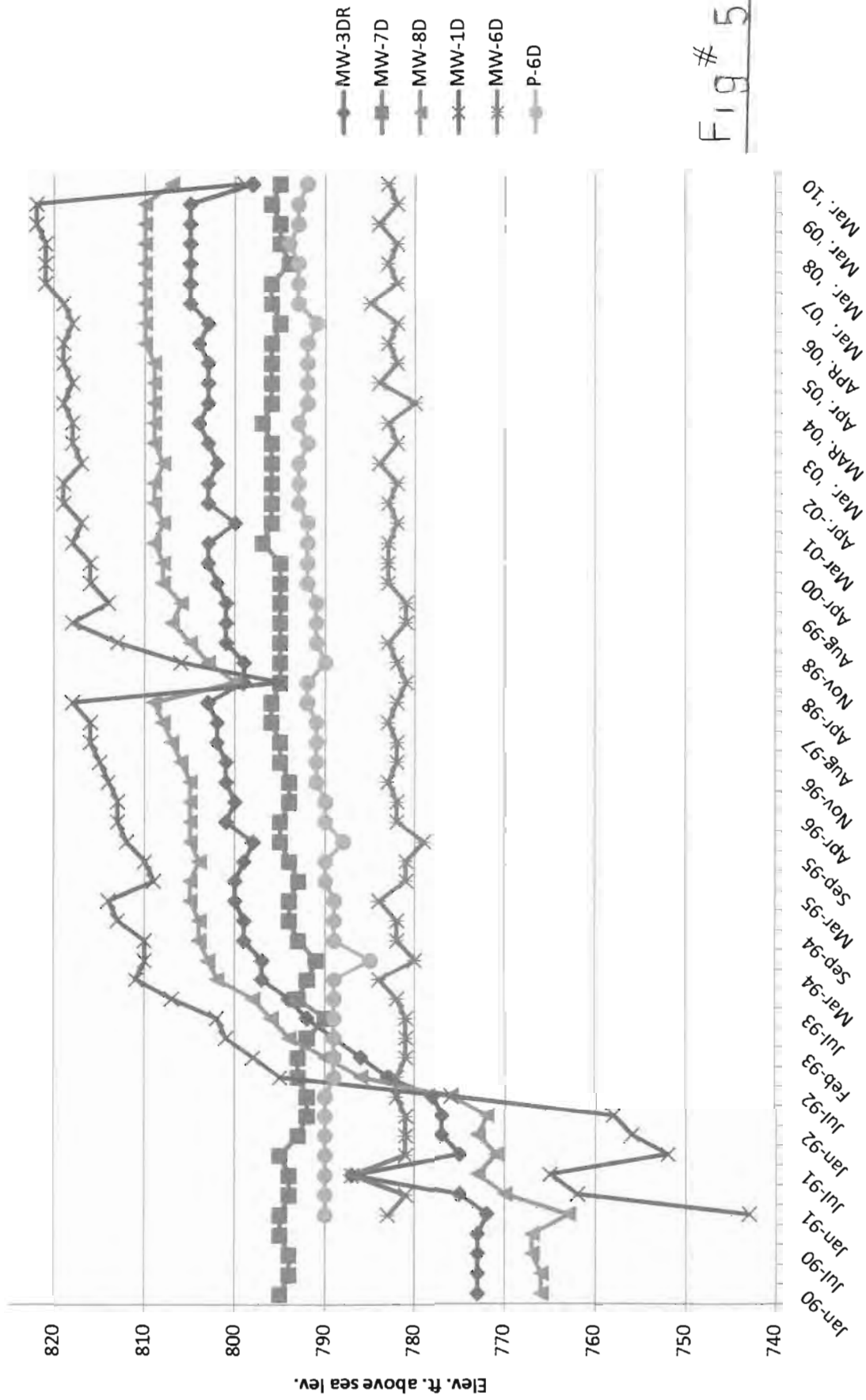
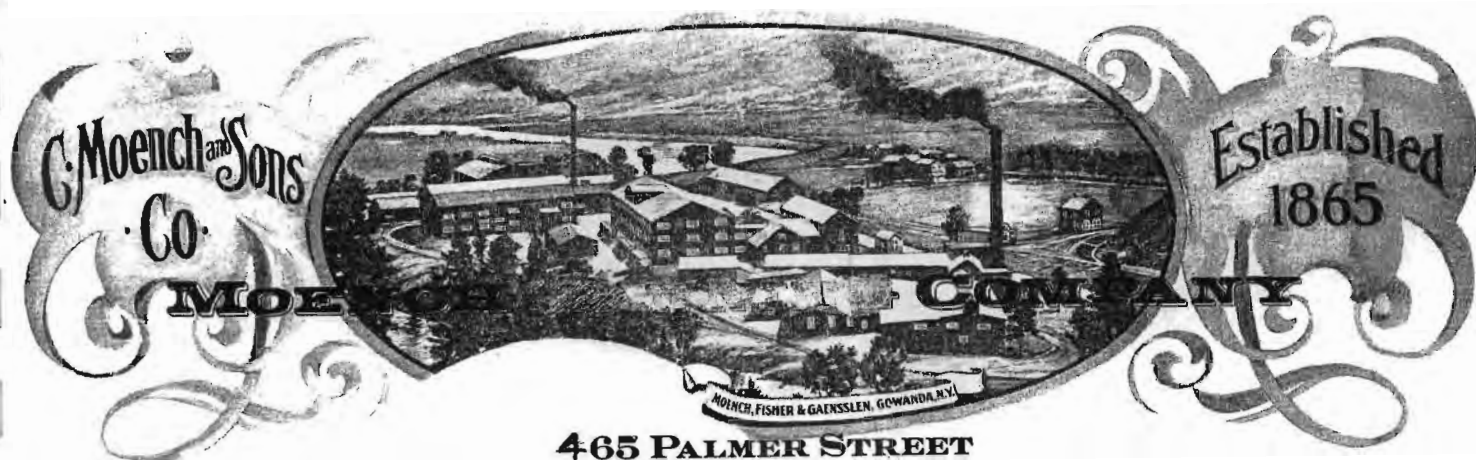


Fig # 5

## 6.0 REFERENCES

1. PALMER STREET LANDFILL CLOSURE/POST CLOSURE PLAN (EPA ID. NYDOO2126910), PREPARED BY MALCOLM PIRNIE, INC. REVISED FEBRUARY 1989. REVISED DECEMBER 2006.
2. PALMER STREET LANDFILL, SUPPLEMENTAL HYDROGEOLOGIC INVESTIGATION, PREPARED BY MALCOLM PIRNIE, INC. JANUARY 1989.
3. SAMPLING PLAN/QUALITY ASSURANCE PLAN FOR GROUNDWATER MONITORING - PALMER STREET LANDFILL. PREPARED BY MALCOLM PIRNIE, INC., AUGUST 1989. REVISED 12/2006.
4. TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, THIRD EDITION, USEPA OFFICE OF SOLID WASTE AND EMERGENCY RESPONSE, NOVEMBER 1986.
5. PALMER STREET LANDFILL, EVALUATION OF ALTERNATIVE COVER SYSTEMS, PREPARED BY MALCOLM PIRNIE, INC., JANUARY 1989.
6. COVER SYSTEM PERFORMANCE EVALUATION, PALMER STREET LANDFILL; PREPARED BY MALCOLM PIRNIE, INC. OCTOBER 1995. Second "Evaluation"; 3/99. THIRD EVALUATION; 8/03.(LAST)
7. JULY 27<sup>TH</sup>, 2006 LETTER FROM GEOMATRIX TO STAN RADON (NYSDEC) DOCUMENTING A JULY 19<sup>TH</sup> MEETING IN WHICH REVISIONS TO THE GROUNDWATER MONITORING SYSTEM, WERE AGREED UPON.
8. SEPTEMBER 7, 2006 LETTER FROM STAN RADON (NYSDEC) TO JEFFREY SMITH (MOENCH) CONFIRMING AGREEMENT OF REVISED GROUNDWATER MONITORING SYSTEM, AND COVER SYSTEM EVALUATION ELIMINATION.



465 PALMER STREET  
GOWANDA, NEW YORK 14070

TEL. 716-532-2201

FAX 716-532-5518  
revised 8/06

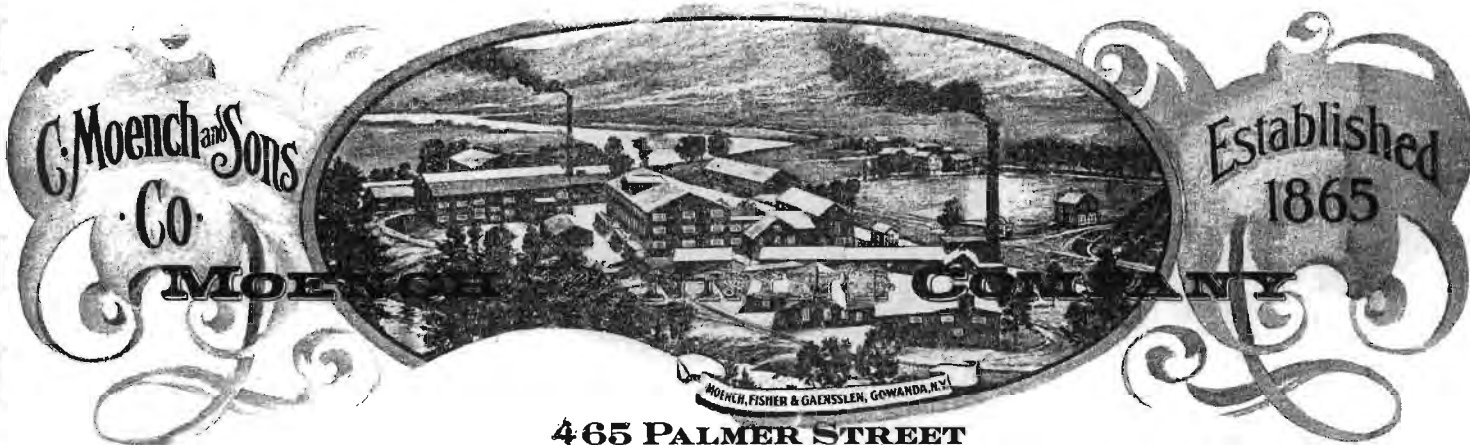
TABLE # 7

PALMER STREET LANDFILL  
GROUNDWATER MONITORING

MAR. '10

EQUIPMENT INVENTORY:

- ✓(A) Slope Indicator Co. - Model 51453, water level indicator
- ✓(B) W.R. Grace (Dearborn) - Model EP-10, Micromhos meter  
(conductivity)
- ✓(C) Cole-Parmer Instrumentation Co. - Model 5985-80, Ph, temp-  
erature °C , ,  
with probes.
- ✓(D) Grundfos Purging System.  
-Hose, VFD, Generator.
- ✓(E) Norton Company - Part #865-3170, Posi-Filter for filtering  
dissolved metals with filters. And vacuum pump/flask.
- ✓(F) Wash bucket ( 5 gallon) with Alconox soap.
- ✓(G) Rinse bucket with D.I. water. -buy 10 gal. distilled at store.  
-get 2 gal. lab certified, eqpt. blank.
- ✓(H) Rinse bottle with 10% Nitric Acid and water.
- ✓(I) five gallon bucket to measure volume purged.
- ✓(J) Latex gloves
- ✓(K) Required bottles and coolers and ice.
- ✓(L) Required field data forms.
- ✓(M) Cell Phone
- ✓(N) Watch
- ✓(O) Head Radio
- ✓(P) Board to hold Meters & equipment
- ✓(Q) Liquid soap/water spray-bees.
- ✓(R) Benedryl-bee sting.



465 PALMER STREET  
GOWANDA, NEW YORK 14070

TEL. 716-532-2201

FAX 716-532-5518

PALMER STREET LANDFILL  
GROUNDWATER MONITORING

TABLE #8

MAR. '10

calibrated by: JS

RECORD OF CALIBRATION:

Instrument:                      reading  
                                                 date ~~before~~ - after

Test

Slope-Water Level  
Indicator

|  |  |
|--|--|
|  |  |
|  |  |
|  |  |
|  |  |

Probe response to  
water.

Grace-Conductivity meter

1413 MS

|      |      |
|------|------|
| 3/22 | 1413 |
| 3/24 | 1413 |
|      |      |
|      |      |

Read standardize  
liquid & calibrate.  
zero calibrate.

Cole-Parmer(multi meter)

Ph---

|      |         |
|------|---------|
| 3/22 | CALIB ✓ |
| 3/24 | ✓       |
|      |         |
|      |         |

Calibrate to buffer(s)  
solutions. ph-7 ph-10

Temperature

|      |      |
|------|------|
| 3/22 | 22 C |
| 3/24 | 22 C |
|      |      |
|      |      |

Calibrate to stand-  
ard thermometer.



465 PALMER STREET  
GOWANDA, NEW YORK 14070

TEL. 716-532-2201

FAX 716-532-5518

APPENDIX "A"

FIELD DATA SHEETS FOR:

3/24 - 3/25/10

MONITORING EVENT:  
PALMER STREET LANDFILL

# WELL DEVELOPMENT/PURGING LOG

MOENCH COMPANY

PROJECT TITLE: PALMER ST. LANDFILL-GWM

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS, 2010

STAFF: JEFF Smith NO SAMPLE

DATE: 3/24/10 MUD ONLY BTM

WELL NO.: MW-3 {usually dry}

WELL I.D.

VOL.  
GAL./FT.

- 1 TOTAL CASING AND SCREEN LENGTH (ft.) 20.76
- 2 CASING INTERNAL DIAMETER (in.) 2"
- 3 WATER LEVEL BELOW TOP OF CASING (ft.)
- 4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2^2 \times (1 - 3)) = \text{---} \text{ gal.}$$

| PARAMETERS   | ACCUMULATED VOLUME PURGED (GALLONS) |  |  |  |  |  |  |  |  |  |
|--------------|-------------------------------------|--|--|--|--|--|--|--|--|--|
|              | INIT.                               |  |  |  |  |  |  |  |  |  |
| pH           |                                     |  |  |  |  |  |  |  |  |  |
| APPEAR.      |                                     |  |  |  |  |  |  |  |  |  |
| TURBIDITY    |                                     |  |  |  |  |  |  |  |  |  |
| CONDUCTIVITY |                                     |  |  |  |  |  |  |  |  |  |
| Temp °C      |                                     |  |  |  |  |  |  |  |  |  |

COMMENTS:

MUD ONLY BTM

## WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

BLIND  
PUP (B)

PROJECT TITLE: PALMER ST. LANDFILL - GWM

PROJECT NO.: 1st OF 2 ANNUAL EVENTS; 2010

STAFF: J. Smith

DATE: 3/24/10, 1140

WELL NO.: MW-3D (7)

WELL I.D.

VOL.  
GAL./FT.

1 TOTAL CASING AND SCREEN LENGTH (ft.) 67.70

2 CASING INTERNAL DIAMETER (in.) 2"

3 WATER LEVEL BELOW TOP OF CASING (ft.) 13.98

4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2 \times (1 - 3)) = 9.1 \text{ gal.}$$

| PARAMETERS        | ACCUMULATED VOLUME PURGED (GALLONS) |        |  |  |  |  |  |  |  |  |
|-------------------|-------------------------------------|--------|--|--|--|--|--|--|--|--|
|                   | INIT.                               |        |  |  |  |  |  |  |  |  |
| pH                | 8.10                                | 8.14   |  |  |  |  |  |  |  |  |
| TURBID<br>APPEAR. | SLIGHT                              | TURBID |  |  |  |  |  |  |  |  |
| CONDUCTIVITY      | 440                                 | 420    |  |  |  |  |  |  |  |  |
| TEMP °C           | 12.1                                | 12.4   |  |  |  |  |  |  |  |  |

COMMENTS:

# WATER SAMPLING FIELD DATA SHEET

PROJECT: PALMER ST. 4/FILL-GWM TYPE OF SAMPLE: GROUNDWATER - GRAB  
 CLIENT: MOENCH CO. LOCATION NO.: MW-3D  
 JOB NO.: 1st OF 2, 2010 LAB SAMPLE NO.: \_\_\_\_\_

WELL DATA: DATE: 3/24/10 TIME: 1140  
 Casing Diameter (inches): 2" Casing Material: \_\_\_\_\_  
 Screened Interval (ft BGS): \_\_\_\_\_ Screen Material: \_\_\_\_\_  
 Static Water Level Below TOR (ft): \_\_\_\_\_ Bottom Depth (ft): 67.70  
 Elevation Top of Well Riser: \_\_\_\_\_ Datum Ground Surface: \_\_\_\_\_

PURGING DATA: DATE: 3/24/10 TIME: Start: 1140 Finish: 1215  
 Method: HAND BAIL GROUNDFOSS Pumping Rate (gal/min): \_\_\_\_\_  
 Well Volumes Purged ( $V = \pi R^2 H / 2.31$ ): Pump Was well purged dry? \_\_\_\_\_ Yes ☒ No  
 Standing Volume (gal): \_\_\_\_\_ Was well purged below sand pack? \_\_\_\_\_ Yes ☒ No  
 Volume Purged (gal): \_\_\_\_\_  
 Is purging equipment dedicated to sample location? \_\_\_\_\_  
 Yes ☒ No \_\_\_\_\_  
 Field Personnel: J. Smith

| Well I.D.<br>(inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| <u>2</u>              | <u>0.17</u>        |
| 4                     | 0.66               |
| 6                     | 1.50               |

SAMPLING DATA: DATE: 3/24/10 TIME: Start: 1215 Finish: 1230  
 Method: TEFLON BAILER Sampler: J. Smith  
 Present Water Level (ft): \_\_\_\_\_ Air Temperature (°F): 45  
 Depth of Sample (ft): \_\_\_\_\_ Weather Conditions: SUNNY  
 Is sampling equipment dedicated to sample location? Yes ☒ No \_\_\_\_\_

PRESERVATION DATA: DATE: 3/11/10 IsleChem TIME: Start: \_\_\_\_\_ Finish: \_\_\_\_\_  
 Filtered: ☒ Yes \_\_\_\_\_ No \_\_\_\_\_ Cool to 4°C: ☒  
 Preservative: \_\_\_\_\_  $H_2SO_4$  ☒  $HNO_3$  \_\_\_\_\_ NaOH HCl Other \_\_\_\_\_

PHYSICAL AND CHEMICAL DATA:  
 Appearance: Clear: \_\_\_\_\_ Turbid: Slight Color: \_\_\_\_\_  
 Contains Sediment: \_\_\_\_\_ Odor: NO Other: \_\_\_\_\_  
 Temperature (°C): \_\_\_\_\_ pH: \_\_\_\_\_ Specific Conductivity ( $\mu mhos/cm$ ): \_\_\_\_\_  
ANALYSIS REPORT Other: \_\_\_\_\_

REMARKS: SAMPLE/FILTER EQUIPMENT: WASH'd w/ SOAP + WATER (3X). RINSED IN DISTIL'd WATER. RINSE WITH 10% NITRIC ACID WASH. FINAL RINSE w/ DISTIL'd WATER.

# WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

PROJECT TITLE: PALMER ST. LANDFILL - GWM

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS, 2010

STAFF: J. Smith

DATE: 3/24/10, 940

WELL NO.: MW-4 SR (4)

WELL I.D.

VOL.  
GAL./FT.

- 1 TOTAL CASING AND SCREEN LENGTH (ft.) 25.00
- 2 CASING INTERNAL DIAMETER (in.) 2"
- 3 WATER LEVEL BELOW TOP OF CASING (ft.) 12.29
- 4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2^2 \times (1 - 3)) = 2.1 \text{ gal.}$$

| PARAMETERS         | ACCUMULATED VOLUME PURGED (GALLONS) |      |      |  |  |  |  |  |  |  |
|--------------------|-------------------------------------|------|------|--|--|--|--|--|--|--|
|                    | I<br>N.<br>T.                       |      |      |  |  |  |  |  |  |  |
| PH                 | 6.55                                | 6.63 | 6.61 |  |  |  |  |  |  |  |
| TUR.<br>APPEARANCE | TURBID - REDDISH                    |      |      |  |  |  |  |  |  |  |
| CONDUCTIVITY       | 900                                 | 960  |      |  |  |  |  |  |  |  |
| Temp. °C           | 10.4                                | 10.9 |      |  |  |  |  |  |  |  |

COMMENTS:

# WATER SAMPLING FIELD DATA SHEET

PROJECT: PALMER ST. LANDFILL - GWM TYPE OF SAMPLE: GROUNDFWATER - GRAB  
 CLIENT: MOENCH CO. LOCATION NO.: MW-4SR  
 JOB NO.: 1st of 2, 2010 LAB SAMPLE NO.: \_\_\_\_\_

WELL DATA: DATE: 3/24/10 TIME: 940  
 Casing Diameter (inches): 2" Casing Material: PVC  
 Screened Interval (ft BGS): \_\_\_\_\_ Screen Material: PVC  
 Static Water Level Below TOR (ft): \_\_\_\_\_ Bottom Depth (ft): 25.00  
 Elevation Top of Well Riser: \_\_\_\_\_ Datum Ground Surface: \_\_\_\_\_

PURGING DATA: DATE: 3/24/10 TIME: Start: 940 Finish: 955  
 Method: TEFLON BAILER Pumping Rate (gal/min): HAND BAIL  
 Well Volumes Purged ( $V = \pi R^2 H / 2.31$ ): \_\_\_\_\_ Was well purged dry? \_\_\_\_\_ Yes ☒ No  
 Standing Volume (gal): 2.1 Was well purged below sand pack? \_\_\_\_\_ Yes ☒ No  
 Volume Purged (gal): \_\_\_\_\_  
 Is purging equipment dedicated to sample location?  
 Yes ☒ No \_\_\_\_\_  
 Field Personnel: J. Smith

| Well I.D.<br>(inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| 2                     | 0.17               |
| 4                     | 0.66               |
| 6                     | 1.50               |

SAMPLING DATA: DATE: 3/24/10 TIME: Start: 955 Finish: 1010  
 Method: TEFLON BAILER Sampler: J. Smith  
 Present Water Level (ft): \_\_\_\_\_ Air Temperature (°F): 40  
 Depth of Sample (ft): \_\_\_\_\_ Weather Conditions: SUNNY  
 Is sampling equipment dedicated to sample location? Yes ☒ No \_\_\_\_\_

PRESERVATION DATA: DATE: 3/11/10 IsleChem TIME: Start: \_\_\_\_\_ Finish: \_\_\_\_\_  
 Filtered: ☒ Yes \_\_\_\_\_ No \_\_\_\_\_ Cool to 4°C: ☒  
 Preservative: \_\_\_\_\_  $H_2SO_4$  ☒  $HNO_3$  \_\_\_\_\_ NaOH HCl Other \_\_\_\_\_

PHYSICAL AND CHEMICAL DATA:  
 Appearance: Clear: \_\_\_\_\_ Turbid: ☒ Color: REDDISH  
 Contains Sediment: ☒ Odor: ORANGE Other: \_\_\_\_\_  
 Temperature (°C): \_\_\_\_\_ pH: \_\_\_\_\_ Specific Conductivity ( $\mu mhos/cm$ ): \_\_\_\_\_  
 Turbidity (NTU): \_\_\_\_\_ Other: \_\_\_\_\_

REMARKS: SAMPLE/FILTER EQUIPMENT: WASH w/ SOAP + WATER (3X).  
RINSED WITH DISTILL'D WATER. RINSED WITH 10% NITRIC ACID WASH. FINAL RINSE w/ DISTILL'D WATER.

# WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

PROJECT TITLE: PALMER ST. LANDFILL - G.W.M.

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS, 2010

STAFF: JEFF SMITH

DATE: 3/24/10, 1045

STAN R.  
HERE (DEC)

WELL NO.: MW-4D (6)

WELL I.D.

VOL.  
GAL./FT.

- 1 TOTAL CASING AND SCREEN LENGTH (ft.) 75.41
- 2 CASING INTERNAL DIAMETER (in.) 2"
- 3 WATER LEVEL BELOW TOP OF CASING (ft.) 11.92
- 4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2^2 \times (1 - 3)) = 10.8 \text{ gal.}$$

| PARAMETERS          | ACCUMULATED VOLUME PURGED (GALLONS) |       |  |  |  |  |  |  |  |  |
|---------------------|-------------------------------------|-------|--|--|--|--|--|--|--|--|
|                     |                                     |       |  |  |  |  |  |  |  |  |
| PH                  | 8.04                                | 7.98  |  |  |  |  |  |  |  |  |
| VISUAL<br>TURBIDITY | SLIGHT                              | WHITE |  |  |  |  |  |  |  |  |
| CONDUCTIVITY        | 640                                 | 640   |  |  |  |  |  |  |  |  |
| TEMP. °C            | 12.5                                | 12.6  |  |  |  |  |  |  |  |  |

COMMENTS:

# WATER SAMPLING FIELD DATA SHEETS

PROJECT: PALMER ST. L/F - G.W.M.  
MOENCH CO.  
1ST OF 2 ANNUAL EVENTS  
2010

TYPE OF SAMPLE: GROUND WATER  
 LOCATION NO.: MW-4D

WELL DATA: DATE: 3-24-10  
 Casing Diameter (Inches): 2"  
 Screened Interval (ft BGS): \_\_\_\_\_  
 Static Water Level Below TOR (ft.): \_\_\_\_\_  
 Elevation Top of Well Riser: 805.93  
 Elevation Top of Screen: 72.9

TIME: 1045  
 Casing Material: PVC  
 Screen Material: PVC  
 Bottom Depth (ft.): 75.41  
 Datum Ground Surfaces: \_\_\_\_\_

PURGING DATA: DATE: 3/24/10  
 Method: ELECTRIC PUMP  
 Well Volumes Purged (xR<sup>2</sup>W/231): \_\_\_\_\_  
 Standing Volume (GAL.) \_\_\_\_\_  
 Volume Purged (GAL.) \_\_\_\_\_  
 Is purging equipment dedicated to sample location?  
 Yes \_\_\_\_\_ No \*  
 Field Personnel: J.Smith

TIME: Start: 1045 Finish: 1115  
 Pumping Rate (gal/min): 1-2 gpm  
 Was well purged dry? Yes \_\_\_\_\_ No X  
 Was well purged below sand pack? Yes \_\_\_\_\_ No X

| Well I.D.<br>(Inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| <u>2</u>              | <u>0.17</u>        |
| <u>4</u>              | <u>0.66</u>        |
| <u>6</u>              | <u>1.50</u>        |

SAMPLING DATA: DATE: 3/24/10  
 Method: DEDICATED BAILER  
 Present Water Level (ft.): \_\_\_\_\_  
 Depth of Sample (ft.): \_\_\_\_\_  
 Is sampling equipment dedicated to sample location? Yes \* No \_\_\_\_\_  
 Source and type of water used in field for QC purposes: Islechem LAB

TIME: Start: 1115 Finish: 1130  
 Sampler: JS  
 Air Temperature (F°): 45  
 Weather Conditions: SUNNY

PRESERVATION DATA: DATE: 3/11/10 Islechem  
 Filtered: Yes \* No \_\_\_\_\_  
 Preservative: H<sub>2</sub>SO<sub>4</sub> MMO<sub>3</sub> \* NaOH Other HCl

TIME: Start: \_\_\_\_\_ Finish: \_\_\_\_\_  
 Cool to 4°C: \*

PHYSICAL AND CHEMICAL  
 Appearance: Clear Turbidity: SLIGHT  
 Contains Sediment: \_\_\_\_\_  
 Temperature (°C): \_\_\_\_\_ pH: \_\_\_\_\_  
 Turbidity (NTU): \_\_\_\_\_

Color: WHITE  
 Odors: NO Others: \_\_\_\_\_  
 Specific Conductivity (µmhos/cm): \_\_\_\_\_  
 Other: \_\_\_\_\_

E. FLASK +/or

REMARKS: NA - NOT APPLICABLE. TEFLON BAILER USED FOR SAMPLE  
WAS WASHED WITH SOAP, RINSED WITH LABORATORY WATER/  
RINSED WITH 10% NITRIC ACID WASH, THEN FINAL RINSE  
WITH LAB. GRADE WATER PRIOR TO USE.

# WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

PROJECT TITLE: PALMER ST. LANDFILL - GWM

PROJECT NO.: 1st OF 2 SAMPLES, ANNUALLY.

STAFF: J. Smith

DATE:

3/23/10 DRY NO SAMPLE

WELL NO.: MW-5 {USUALLY DRY}

WELL I.D.

VOL. GAL./FT.

- 1 TOTAL CASING AND SCREEN LENGTH (ft.) 18.20
- 2 CASING INTERNAL DIAMETER (in.) 2"
- 3 WATER LEVEL BELOW TOP OF CASING (ft.)
- 4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2^2 \times (1 - 3)) = \text{--- gal.}$$

| PARAMETERS     | ACCUMULATED VOLUME PURGED (GALLONS) |  |  |  |  |  |  |  |  |  |
|----------------|-------------------------------------|--|--|--|--|--|--|--|--|--|
|                | INIT.                               |  |  |  |  |  |  |  |  |  |
| PH             |                                     |  |  |  |  |  |  |  |  |  |
| TURBID APPEAR. |                                     |  |  |  |  |  |  |  |  |  |
| CONDUCTIVITY   |                                     |  |  |  |  |  |  |  |  |  |
| TEMP °C        |                                     |  |  |  |  |  |  |  |  |  |

COMMENTS:

DRY

# WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

PROJECT TITLE: PALMER ST. LANDFILL - GWM

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS, 2010

STAFF: J. Smith

DATE: 3/24/10, 830

WELL NO.: MW-6 (2)

WELL I.D.

VOL.  
GAL./FT.

1 TOTAL CASING AND SCREEN LENGTH (ft.) 18.78

2 CASING INTERNAL DIAMETER (in.) 2"

3 WATER LEVEL BELOW TOP OF CASING (ft.) 14.95

4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2 \times (1 - 3)) = 0.7 \text{ gal.}$$

| PARAMETERS         | ACCUMULATED VOLUME PURGED (GALLONS) |       |      |  |  |  |  |  |  |  |
|--------------------|-------------------------------------|-------|------|--|--|--|--|--|--|--|
|                    | I<br>N.<br>I<br>T.                  |       |      |  |  |  |  |  |  |  |
| Ph                 | 6.64                                | 6.51  | 6.53 |  |  |  |  |  |  |  |
| TURBID.<br>APPEAR. | TURBID                              | BLACK |      |  |  |  |  |  |  |  |
| CONDUCTIVITY       | 1600                                | 1700  | 1800 |  |  |  |  |  |  |  |
| Temp °C            | 12.1                                | 12.7  | 12.7 |  |  |  |  |  |  |  |

COMMENTS:

# WATER SAMPLING FIELD DATA SHEET

PROJECT: PALMER ST. LANDFILL  
 CLIENT: MOENCH CO.  
 JOB NO.: 1ST OF 2 ANNUAL EV.  
2010

TYPE OF SAMPLE: GROUNDWATER  
 LOCATION NO.: MW-6  
 LAB SAMPLE NO.: \_\_\_\_\_

WELL DATA: DATE: 3/24/10  
 Casing Diameter (inches): 2"  
 Screened Interval (ft BGS): \_\_\_\_\_  
 Static Water Level Below TOR (ft): \_\_\_\_\_  
 Elevation Top of Well Riser: \_\_\_\_\_

TIME: 830  
 Casing Material: PVC  
 Screen Material: PVC  
 Bottom Depth (ft): 18.78  
 Datum Ground Surface: \_\_\_\_\_

PURGING DATA: DATE: 3/24/10  
 Method: DEDICATED BAILER  
 Well Volumes Purged ( $V = \pi R^2 H / 2.31$ ): \_\_\_\_\_  
 Standing Volume (gal): \_\_\_\_\_  
 Volume Purged (gal): \_\_\_\_\_  
 Is purging equipment dedicated to sample location?  
 Yes X No \_\_\_\_\_  
 Field Personnel: J. Smith

TIME: Start: 830 Finish: 840  
 Pumping Rate (gal/min): \_\_\_\_\_  
 Was well purged dry? \_\_\_\_\_ Yes X No \_\_\_\_\_  
 Was well purged below sand pack? \_\_\_\_\_ Yes X No \_\_\_\_\_

| Well I.D.<br>(inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| 2                     | 0.17               |
| 4                     | 0.66               |
| 6                     | 1.50               |

SAMPLING DATA: DATE: 3/24/10  
 Method: TEFLON BAILER  
 Present Water Level (ft): \_\_\_\_\_  
 Depth of Sample (ft): \_\_\_\_\_  
 Is sampling equipment dedicated to sample location?

TIME: Start: 840 Finish: 850  
 Sampler: J. Smith  
 Air Temperature (°F): 35  
 Weather Conditions: SUNNY  
 Yes X No \_\_\_\_\_

PRESERVATION DATA: DATE: 3/11/10 Isle Chem  
 Filtered: \* Yes \_\_\_\_\_ No \_\_\_\_\_  
 Preservative: \_\_\_\_\_  $H_2SO_4$  \*  $HNO_3$  \_\_\_\_\_  $NaOH$  HCl Other \_\_\_\_\_

TIME: Start: \_\_\_\_\_ Finish: \_\_\_\_\_

## PHYSICAL AND CHEMICAL DATA:

Appearance: Clear: \_\_\_\_\_ Turbid: \* Color: BLACK  
 Contains Sediment: \_\_\_\_\_ Odor: UNUSUAL Other: \_\_\_\_\_  
 Temperature (°C): \_\_\_\_\_ pH: \_\_\_\_\_ Specific Conductivity (µmhos/cm): \_\_\_\_\_  
 Turbidity (NTU): \_\_\_\_\_ Other: \_\_\_\_\_

REMARKS: DEDICATED BAILER FOR SAMPLE, & FILTER EQUIPMENT.  
WASHED (3X), RINSED WITH LAB GRADE WATER. RINSED w/ 10%  
NITRIC ACID WASH. FINAL RINSE D.I. WATER.

# WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

PROJECT TITLE: PALMER ST. LANDFILL - G.W.M.

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS, 2010

STAFF: JEFF SMITH

DATE: 3/24/10, 803

WELL NO.: MW - GD ①

WELL I.D.

VOL.  
GAL./FT.

- 1 TOTAL CASING AND SCREEN LENGTH (ft.) 37.80
- 2 CASING INTERNAL DIAMETER (in.) 2"
- 3 WATER LEVEL BELOW TOP OF CASING (ft.) 17.15
- 4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2^2 \times (1 - 3)) = 3.5 \text{ gal.}$$

| PARAMETERS   | ACCUMULATED VOLUME PURGED (GALLONS) |      |  |  |  |  |  |  |  |  |
|--------------|-------------------------------------|------|--|--|--|--|--|--|--|--|
|              | I <sub>N</sub><br>I <sub>T</sub>    |      |  |  |  |  |  |  |  |  |
| PH           | 7.91                                | 7.92 |  |  |  |  |  |  |  |  |
| TURBIDITY    | CLEAR                               |      |  |  |  |  |  |  |  |  |
| CONDUCTIVITY | 1200                                | 1400 |  |  |  |  |  |  |  |  |
| TEMP. °C     | 13.0                                | 13.5 |  |  |  |  |  |  |  |  |

COMMENTS:

# WATER SAMPLING FIELD DATA SHEETS

PROJECT: PALMER ST. LANDFILL  
MOENCH CO.  
1ST OF 2 ANNUAL EVENTS.  
2010

TYPE OF SAMPLE: GROUNDWATER  
 LOCATION NO.: MW-6D

WELL DATA: DATE: 3/24/10  
 Casing Diameter (Inches): 2  
 Screened Interval (ft BGS): NA  
 Static Water Level Below TDR (ft.):  
 Elevation Top of Well Riser: 800.63  
 Elevation Top of Screen: NA

TIME: 803  
 Casing Material: PVC  
 Screen Material: PVC  
 Bottom Depth (ft.):  
 Datum Ground Surface:

PURGING DATA: DEDICATED DATE: 3/24/10  
 Method: TEFLON BAILER-HAND  
 Well Volumes Purged (per N/231):  
 Standing Volume (GAL.)  
 Volume Purged (GAL.)

TIME: Start: 803 Finish: 813  
 Pumping Rate (gal/min): 5 gpm  
 Was well purged dry? Yes    No X  
 Was well purged below sand pack? Yes    No X

Is purging equipment dedicated to sample location?  
 Yes \* No   

| Well I.D.<br>(Inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| 2                     | 0.17               |
| 4                     | 0.66               |
| 6                     | 1.50               |

Field Personnel: JS

SAMPLING DATA: DATE: 3/24/10  
 Method: DEDIC. TEFLON BAILER-HAND  
 Present Water Level (ft.):  
 Depth of Sample (ft.):  
 Is sampling equipment dedicated to sample location? Yes \* No     
 Source and type of water used in field for QC purposes: IsleChem LAB

TIME: Start: 813 Finish: 825  
 Sampler: J. Smith  
 Air Temperature (F°): 38  
 Weather Conditions: SUNNY

PRESERVATION DATA: DATE: 3/11/10 IsleChem  
 Filtered: Yes \* No     
 Preservatives: H<sub>2</sub>SO<sub>4</sub>    HNO<sub>3</sub> \* NaOH    Other HCl

TIME: Start:    Finish:     
 Cool to 4°C: \*

## PHYSICAL AND CHEMICAL

Appearance: Clear \* Turbid:     
 Contains Sediment:     
 Temperature (°C):    pH:     
 Turbidity (NTU):   

Color:     
 Odor: NO Others:     
 Specific Conductivity (µmhos/cm):     
 Other:   

REMARKS: E. FLASK +/-  
TEFLON BAILER USED FOR SAMPLING WAS WASHED WITH  
SOAP, RINSED WITH LABORATORY WATER / RINSED WITH 10%  
NITRIC WASH THEN FINAL RINSE WITH LAB. GRADE WATER  
PRIOR TO USE.

# WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

PROJECT TITLE: PALMER ST. LANDFILL - G.W.M.

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS; 2010

STAFF: JEFF SMITH

DATE: 3/25/10, 1020

WELL NO.: MW-7D (11)

| WELL I.D. | VOL.<br>GAL./FT. |
|-----------|------------------|
| 1"        | 0.04             |
| 2"        | 0.17             |
| 3"        | 0.38             |
| 4"        | 0.66             |
| 5"        | 1.04             |
| 6"        | 1.50             |
| 8"        | 2.60             |

- TOTAL CASING AND SCREEN LENGTH (ft.) 42.10
- CASING INTERNAL DIAMETER (in.) 2"
- WATER LEVEL BELOW TOP OF CASING (ft.) 4.90
- VOLUME OF WATER IN CASING (gal.)

$$V = 0.0408 \left( \frac{2}{12} \right)^2 \times (1 - 3) = 6.3 \text{ gal.}$$

| PARAMETERS   | ACCUMULATED VOLUME PURGED (GALLONS) |      |  |  |  |  |  |  |  |  |
|--------------|-------------------------------------|------|--|--|--|--|--|--|--|--|
|              | INIT.                               |      |  |  |  |  |  |  |  |  |
| "PH"         | 8.00                                | 7.96 |  |  |  |  |  |  |  |  |
| TURBIDITY    | clear                               |      |  |  |  |  |  |  |  |  |
| CONDUCTIVITY | 680                                 | 650  |  |  |  |  |  |  |  |  |
| TEMP. °C     | 8.5                                 | 10.9 |  |  |  |  |  |  |  |  |

COMMENTS:

BUT LOT OF Bug PARTS.

# WATER SAMPLING FIELD DATA SHEETS

PROJECT: PALMER ST. LANDFILL

TYPE OF SAMPLE: GROUND WATER

: MOENCH - CO.

LOCATION NO.: MW-7D

JOB NO.: 1ST OF 2 ANNUAL EVENTS

LAB SAMPLE NO.: -

2010

## WELL DATA:

DATE: 3/25/10

TIME: 1020

Casing Diameter (Inches): 2

Casing Material: PVC

Screened Interval (ft BGS): 34 - 39

Screen Material: PVC

Static Water Level Below TOR (ft.): -

Bottom Depth (ft.): -

Elevation Top of Well Riser: 800.39

Datum Ground Surface: -

Elevation Top of Screen: 763.50

## PUMPING DATA:

DATE: 3/25/10

TIME: Start: 1020 Finish: 1039

Method: TEFLON BAILER - MANUAL

Pumping Rate (gal/min): 0.5 gpm

Well Volumes Purged (sr<sup>4</sup>/ZSI): -

Was well purged dry? Yes - No X

Standing Volume (GAL.): -

Was well purged below sand pack? Yes - No X

Volume Purged (GAL.): -

| Well I.D.<br>(Inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| 2                     | 0.17               |
| 4                     | 0.66               |
| 6                     | 1.50               |

Is purging equipment dedicated to sample location? Yes X No -

Field Personnel: J. SMITH

## SAMPLING DATA:

DATE: 3/25/10

TIME: Start: 1039 Finish: 1100

Method: TEFLON BAILER

Samplers: J. Smith

Present Water Level (ft.): -

Air Temperature (F°): 40

Depth of Sample (ft.): -

Weather Conditions: CLOUDY

Is sampling equipment dedicated to sample location? Yes X No -

Source and type of water used in field for QC purposes: Isiechem LAB

## PRESERVATION DATA:

DATE: 3/11/10 Isiechem

TIME: Start: - Finish: -

Filtered: Yes X No -

Cool to 4°C: X

Preservatives: H<sub>2</sub>SO<sub>4</sub> NO<sub>3</sub> X NaOH - Other HCl

## PHYSICAL AND CHEMICAL

Appearance: Clear X Turbid -

Color: -

Contains Sediment: -

Odor: NO Others: -

Temperature (°C): - pH: -

Specific Conductivity (µmhos/cm): -

Turbidity (NTU): -

Other: -

E. FLASK +/-OR

REMARKS: TEFLON BAILER USED FOR SAMPLING WAS WASHED WITH SOAP, RINSED WITH LAB. WATER / RINSED WITH 10% NITRIC WASH THEN FINAL RINSE WITH LAB. GRADE PRIOR TO USE.

# WELL DEVELOPMENT/PURGING LOG

MOENCH CO.

YEAR -

PROJECT TITLE: PALMER ST. LANDFILL - G.W.M.

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS, 2010

STAFF: JEFF SMITH

DATE: 3/25/10, 937

WELL NO.: MW-8D (10)

WELL I.D.

VOL.  
GAL./FT.

- 1 TOTAL CASING AND SCREEN LENGTH (ft.) 127.70
- 2 CASING INTERNAL DIAMETER (in.) 2"
- 3 WATER LEVEL BELOW TOP OF CASING (ft.) 10 +
- 4 VOLUME OF WATER IN CASING (gal.)

|    |      |
|----|------|
| 1" | 0.04 |
| 2" | 0.17 |
| 3" | 0.38 |
| 4" | 0.66 |
| 5" | 1.04 |
| 6" | 1.50 |
| 8" | 2.60 |

$$V = 0.0408 (2^2 \times (1 - 3)) = \text{gal.}$$

| PARAMETERS | ACCUMULATED VOLUME PURGED (GALLONS) |      |  |  |  |  |  |  |  |  |
|------------|-------------------------------------|------|--|--|--|--|--|--|--|--|
|            | I<br>N.<br>T.                       |      |  |  |  |  |  |  |  |  |
| "PH"       | 7.76                                | 7.71 |  |  |  |  |  |  |  |  |
| TURBIDITY  | clear                               |      |  |  |  |  |  |  |  |  |
| CONDUCTIV. | 440                                 | 460  |  |  |  |  |  |  |  |  |
| TEMP. °C   | 12.1                                | 12.3 |  |  |  |  |  |  |  |  |

COMMENTS:

# WATER SAMPLING FIELD DATA SHEETS

PROJECT: PALMER ST. LANDFILL TYPE OF SAMPLE: GROUND WATER - GRAB  
MOENCH COMPANY LOCATION NO.: MW-8D  
1st OF 2 ANNUAL EVENTS

WELL DATA: DATE: 2010 3/25/10 TIME: 937  
 Casing Diameter (Inches): 2" Casing Material: PVC  
 Screened Interval (ft BGS): NA Screen Material: PVC  
 Static Water Level Below TOR (ft.): NA Bottom Depth (ft.): NA  
 Elevation Top of Well Riser: 821.89 Datum Ground Surface: NA  
 Elevation Top of Screen: NA

PURGING DATA: DATE: 3/25/10 TIME: Start: 937 Finish: 958  
 Method: ELECTRIC Pump Pumping Rate (gal/min): 1-2 gpm  
 Well Volumes Purged (xR<sup>2</sup>H/231): NA Was well purged dry? Yes NA No X  
 Standing Volume (GAL.): NA Was Well purged below sand pack? Yes NA No X  
 Volume Purged (GAL.): NA  
 Is purging equipment dedicated to sample location? Yes X No NA  
 Field Personnel: JS

| Well I.D. (Inches) | Volume (gal/ft) |
|--------------------|-----------------|
| 2                  | 0.17            |
| 4                  | 0.66            |
| 6                  | 1.50            |

SAMPLING DATA: DATE: 3/25/10 TIME: Start: 958 Finish: 1015  
 Method: DEDICATE BAILER / Pump Samplers: JS  
 Present Water Level (ft.): NA Air Temperature (F°): 40  
 Depth of Sample (ft.): NA Weather Conditions: CLOUDY  
 Is sampling equipment dedicated to sample locations? Yes X No NA  
 Source and type of water used in field for QC purposes: IsieChem LAB

PRESERVATION DATA: DATE: 3/11/10 IsieChem TIME: Start: NA Finish: NA  
 Filtered: Yes X No NA Cool to 4°C: X  
 Preservatives: H<sub>2</sub>SO<sub>4</sub> HNO<sub>3</sub> NaOH Other HCl

PHYSICAL AND CHEMICAL: Appearance: Clear X Turbidity: NA Color: NA  
 Contains Sediment: NA Odors: NA Others: NA  
 Temperature (°C): NA pH: NA Specific Conductivity (µmhos/cm): NA  
 Turbidity (NTU): NA Other: NA

REMARKS: E. FLASK +/-  
TEFLON BAILER USED FOR SAMPLING WAS WASHED WITH SOAP, RINSED WITH LAB. WATER / RINSED WITH 10% NITRIC WASH THEN FINAL RINSE WITH LAB. GRADE WATER PRIOR TO USE.

(TOOK CREEK SAMPLE)

WATER SAMPLING FIELD DATA SHEETS

NO BANK SEEP - UNUSUAL ③

BS-1 SAMPLE  
CREEK

PROJECT: PALMER ST. LANDFILL

TYPE OF SAMPLE: SURFACE / GROUND WATER

MOENCH CO.

LOCATION NO.: BS-1

1ST OF 2 ANNUAL EVENTS.

(BANK SEEP SOUTH OF MW6)

WELL DATA:

DATE: 3/24/10

TIME: 9:00

Casing Diameter (Inches):

N/A

Casing Material:

N/A

Screened Interval (ft BGS):

Static Water Level Below TDR (ft.):

Elevation Top of Well Riser:

Elevation Top of Screen:

Screen Material:

Bottom Depth (ft.):

Datum Ground Surface:

PURGING DATA:

DATE: 3/24/10

TIME: Start:

Finish:

Method:

NA

Pumping Rate (gal/min):

N/A

Well Volumes Purged (sr M/231):

NA

Was well purged dry? Yes No

Standing Volume (GAL.):

NA

Was well purged below sand pack? Yes No

Volume Purged (GAL.):

NA

Is purging equipment dedicated to sample location?

Yes \*

No

Well I.D.  
(Inches)

Volume  
(gal/ft)

2

0.17

4

0.66

6

1.50

Field Personnel: JS

SAMPLING DATA:

DATE: 3/24/10

TIME: Start:

Finish: 9:20

Method: SURFACE WATER GRAB

Samplers:

J. Smith

Present Water Level (ft.):

NA

Air Temperature (F°):

40

Depth of Sample (ft.):

NA

Weather Conditions:

SUNNY

Is sampling equipment dedicated to sample location? Yes \*

No

Source and type of water used in field for QC purposes:

Islechem LAB

PRESERVATION DATA:

DATE: 3/11/10

Islechem

TIME: Start:

Finish:

Filtered: Yes \*

No

Cool to 4°C: \*

Preservatives: H<sub>2</sub>SO<sub>4</sub>

HNO<sub>3</sub> \*

NaOH

Other

HCl

PHYSICAL AND CHEMICAL

Appearance:

Clear

Turbid: \*

Color:

BROWN

Contains Sediment

Odor:

Others:

Temperature (°C):

7.2

pH

8.1

Specific Conductivity (µmhos/cm):

2000

Turbidity (NTU):

Others:

APPEARANCE - VISUAL

E. FLASK +/-

REMARKS: NA. NOT APPLICABLE - TEFLON BAILER USED FOR SAMPLE

WAS WASHED WITH SOAP, RINSED WITH LABORATORY WATER -

RINSED WITH 10% NITRIC ACID WASH, FINAL RINSE WITH

LAB. GRADE WATER, PRIOR TO EACH USE.

BS-2

## WATER SAMPLING FIELD DATA SHEET

PROJECT: PALMER ST. LANDFILLTYPE OF SAMPLE: GROUNDWATER - GRABCLIENT: MOENCH CO.LOCATION NO.: BS-2JOB NO.: OF 2 ANNUAL EV.LAB SAMPLE NO.: (5)\* LITTLE SCOOT LADDER UNDER TREE - COULD NOT GETWELL DATA: DATE: 3/24/10TIME: 1020

Casing Diameter (inches): \_\_\_\_\_

Casing Material: \_\_\_\_\_

Screened Interval (ft BGS): \_\_\_\_\_

Screen Material: \_\_\_\_\_

Static Water Level Below TOR (ft): \_\_\_\_\_

Bottom Depth (ft): \_\_\_\_\_

Elevation Top of Well Riser: \_\_\_\_\_

Datum Ground Surface: \_\_\_\_\_

PURGING DATA: DATE: \_\_\_\_\_

TIME: Start: \_\_\_\_\_ Finish: \_\_\_\_\_

Method: NA

Pumping Rate (gal/min): \_\_\_\_\_

Well Volumes Purged ( $V = TR^2H/231$ ): \_\_\_\_\_

Was well purged dry? \_\_\_\_\_ Yes \_\_\_\_\_ No

Standing Volume (gal): \_\_\_\_\_

Was well purged below sand pack? \_\_\_\_\_ Yes \_\_\_\_\_ No

Volume Purged (gal): \_\_\_\_\_

| Well I.D.<br>(inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| 2                     | 0.17               |
| 4                     | 0.66               |
| 6                     | 1.50               |

Is purging equipment dedicated to sample location?

Yes \_\_\_\_\_ No \_\_\_\_\_

Field Personnel: \_\_\_\_\_

SAMPLING DATA: DATE: 3/24/10TIME: Start: 1020 Finish: 1035Method: GRABSampler: J. Smith

Present Water Level (ft): \_\_\_\_\_

Air Temperature (°F): 40

Depth of Sample (ft): \_\_\_\_\_

Weather Conditions: SUNNY

Is sampling equipment dedicated to sample location?

Yes \_\_\_\_\_ No \*PRESERVATION DATA: DATE: 3/11/10 ISLE Chem TIME: Start: \_\_\_\_\_ Finish: \_\_\_\_\_Filtered: \* Yes \_\_\_\_\_ No \_\_\_\_\_ Cool to 4°C: \*Preservative: \_\_\_\_\_  $H_2SO_4$  \*  $HNO_3$  \_\_\_\_\_  $NaOH$  HCL Other \_\_\_\_\_

PHYSICAL AND CHEMICAL DATA:

VISUALAppearance: Clear: X Turbid: \_\_\_\_\_ Color: \_\_\_\_\_Contains Sediment: \_\_\_\_\_ Odor: NO Other: \_\_\_\_\_Temperature (°C): 9.1 pH: 7.77 Specific Conductivity (µmhos/cm): 226

Turbidity (NTU): \_\_\_\_\_ Other: \_\_\_\_\_

REMARKS: SAMPLE/FILTER EQUIPMENT: WASH W/SOAP + WATER (3X).  
RINSED W/DISTILLED WATER. RINSE WITH 10% NITRIC  
ACID WASH. FINAL RINSE W/DISTILLED WATER.

\* TOOK SAMPLE OF RUNOFF DITCH BY

## WATER SAMPLING FIELD DATA SHEETS

BS-3

9

PROJECT: PALMER ST. LANDFILL  
MOENCH CO.  
1ST OF 2 ANNUAL EVENTS  
2010

TYPE OF SAMPLE: SURFACE/GROUND WATER  
 LOCATION NO.: BS-3 (BANK SEEP  
SOUTH OF MW-3)

## WELL DATA:

DATE: 3/25/10TIME: 850

Casing Diameter (Inches): NA  
 Screened Interval (ft BGS): ~  
 Static Water Level Below TOR (ft.): ~  
 Elevation Top of Well Riser: ~  
 Elevation Top of Screen: ~

Casing Material: N/A  
 Screen Material: ~  
 Bottom Depth (ft.): ~  
 Datum Ground Surfaces: ~

## PURGING DATA:

DATE: NATIME: Start: ~ Finish: ~

Methods: NA  
 Well Volumes Purged (xR<sup>2</sup>W/231): NA  
 Standing Volume (GAL.): NA  
 Volume Purged (GAL.): NA

Pumping Rate (gal/min): N/A  
 Was well purged dry? Yes ~ No ~  
 Was well purged below sand pack? Yes ~ No ~

Is purging equipment dedicated to sample location?  
 Yes X No ~

| Well I.D.<br>(Inches) | Volume<br>(gal/ft) |
|-----------------------|--------------------|
| 2                     | 0.17               |
| 4                     | 0.66               |
| 6                     | 1.50               |

Field Personnel: J. Smith

## SAMPLING DATA:

DATE: 3/25/10TIME: Start: 850 Finish: 930

Methods: SURFACE WATER GRAB  
 Present Water Level (ft.): NA  
 Depth of Sample (ft.): NA

Samplers: J. Smith  
 Air Temperature (F°): 40  
 Weather Conditions: CLOUDY

Is sampling equipment dedicated to sample location? Yes \* No ~Source and type of water used in field for QC purposes: IsleChem LAB

## PRESERVATION DATA:

DATE: 3/11/10 IsleChemTIME: Start: ~ Finish: ~Filtered: Yes \* No ~Cool to 4°C: \*Preservatives: H<sub>2</sub>SO<sub>4</sub> ~ HNO<sub>3</sub> \* NaOH ~ Other: \* HCl

## PHYSICAL AND CHEMICAL

Appearance: Clear ALMOST Turbidity: VISUALColors: SLIGHT IRONContains Sediment: ~Odors: NO Others: ~Temperature (°C): 7.2 pH: 7.56Specific Conductivity (µmhos/cm): 6180Other: ~REMARKS: N/A - NOT APPLICABLE. FLASK +/OR TEFLON BAILER USED

FOR SAMPLING/FILTERING, WAS WASHED WITH ALCONOX SOAP,  
RINSED W/ LAB GRADE WATER, RINSED W/ 10% NITRIC WASH,  
FINAL RINSE WITH LAB GRADE WATER PRIOR TO USE.

SPRAY PRICKERS IN JULY

# WELL DEVELOPMENT/PURGING LOG

MOENCH COMPANY

PROJECT TITLE: PALMER ST. LANDFILL - G.W.M.

PROJECT NO.: 1ST OF 2 ANNUAL EVENTS; 2010

STAFF: JEFF SMITH

DATE: 3/25/10, 1130

WELL NO.: EQUIPMENT BLANK

12

WELL I.D.

VOL.  
GAL./FT.

1 TOTAL CASING AND SCREEN LENGTH (ft.)

NA

1"

0.04

2 CASING INTERNAL DIAMETER (in.)

2"

0.17

3 WATER LEVEL BELOW TOP OF CASING (ft.)

3"

0.38

4 VOLUME OF WATER IN CASING (gal.)

4"

0.66

5"

1.04

6"

1.50

8"

2.60

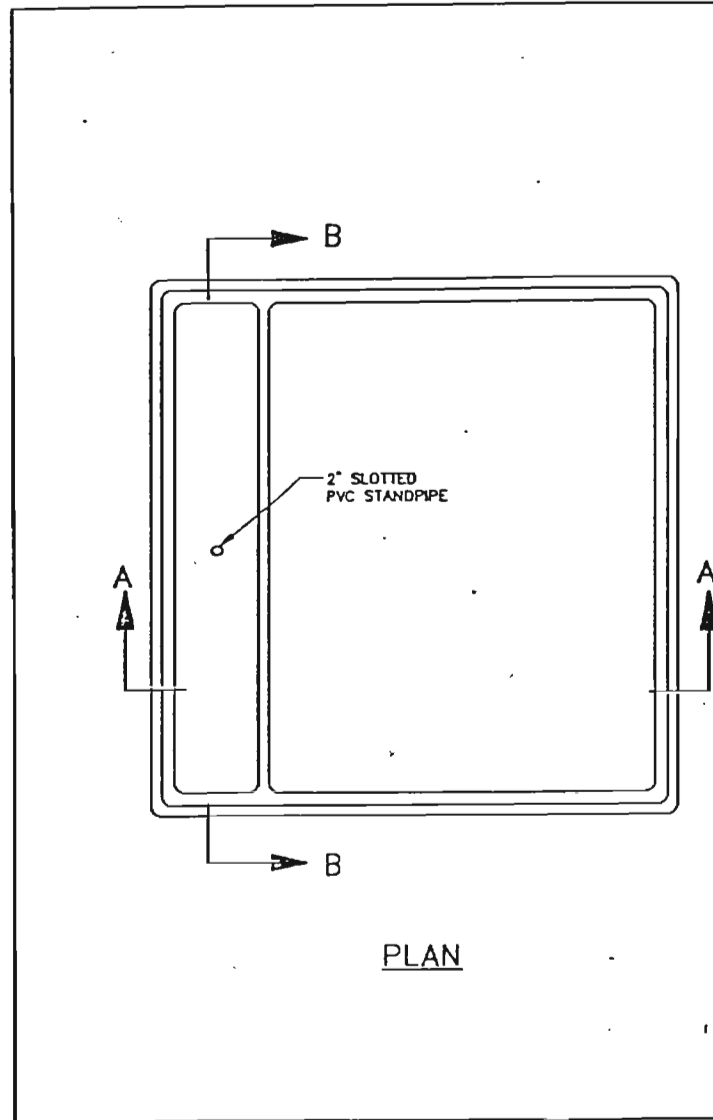
$$V = 0.0408 (2 \times (1 - 3)) = \text{NA} \text{ gal.}$$

| PARAMETERS          | ACCUMULATED VOLUME PURGED (GALLONS) |  |  |  |  |  |  |  |  |  |
|---------------------|-------------------------------------|--|--|--|--|--|--|--|--|--|
|                     | ONLY                                |  |  |  |  |  |  |  |  |  |
| "PH"                | 7.17                                |  |  |  |  |  |  |  |  |  |
| VISUAL<br>TURBIDITY | clear                               |  |  |  |  |  |  |  |  |  |
| CONDUCTIVITY        | 60                                  |  |  |  |  |  |  |  |  |  |
| TEMP. °C            | 15                                  |  |  |  |  |  |  |  |  |  |

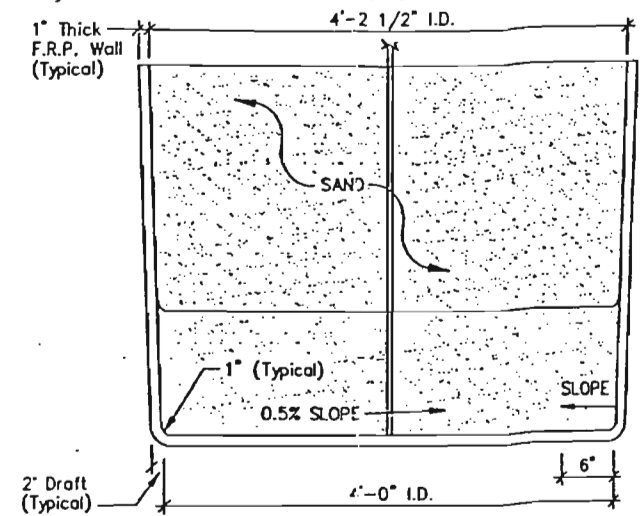
COMMENTS:

D.I. WATER (Q.C) FROM: Islechem Lab (VOC)  
METALS - DISTILLED WATER FM  
JUBILEE

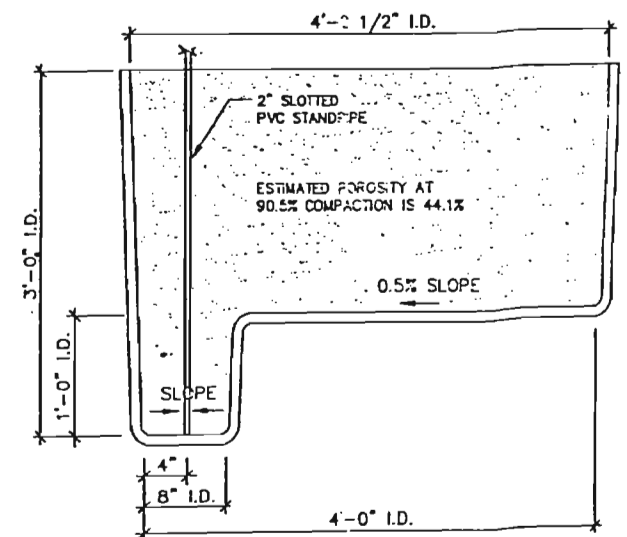
APPENDIX B  
INFILTROMETER DESIGN



SECTION B-B



SECTION A-A





465 PALMER STREET  
GOWANDA, NEW YORK 14070

TEL. 716-532-2201

FAX 716-532-5518

APPENDIX "C"

ANALYTICAL REPORT FROM LABORATORY:

FOR 3/24 - 3/25/10

MONITORING EVENT....

PALMER STREET LANDFILL

# IsleChem, LLC Analysis Report

Client: Jeffrey Smith  
Moench Company

465 Palmer Street  
Gowanda, NY 14070

Report Date: Monday, April 12, 2010

Report ID: NY003152.0.20113

PO# / Release# Charge to Visa Card /

Reference #:

Sample Date: Wednesday, March 24, 2010

Sample Time: 2:00:00 PM

Report Status: Final

Project: Water Samples for Analysis  
Routine Parameter List  
Palmer Street Landfill

Phase:  
Batch: Palmer Street Landfill  
Contact: Jeffrey Smith

Authorized Signature:

☒ Richard V. Finn, Manager of Chemical Testing  
☐ Martin Ruszaj, Director of Chemical Testing

The following result table is for 12 samples received by IsleChem LLC on 03/25/2010 submitted by Client  
Also enclosed is the paperwork submitted with the samples.

## Narrative:

Analyses were performed within required holding times. All quality control results were within acceptable limits unless specifically noted in the report. Quality control analyses were performed on the samples in this report or samples of similar matrix that were analyzed in the analytical batch on the dates indicated in the report.

## Notes:

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|-----------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>     |           |         |       |         |           |
| 152-0325-01            | MW-6D / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                   | 182291    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                  |           | <0.005  | mg/L  | RVF     | 3/31/2010 |

IsleChem LLC  
2801 Long Road, Grand Island NY 14072

NYS DOH ELAP ID# 11862  
EPA Lab Code: NY01086

(716) 773-8401 Fax (716) 773-8517  
Project: NY003152.0.20113

www.islechem.com  
Page: 1 of 45

## IsleChem, LLC Analysis Report

Client: Jeffrey Smith  
Moench Company

465 Palmer Street  
Gowanda, NY 14070

Report Date: Monday, April 12, 2010

Report ID: NY003152.0.20118

PO# / Release# Charge to Visa Card /

Reference #:

Sample Date: Thursday, March 25, 2010

Sample Time: 2:06:00 PM

Report Status: Final

Project: Water Samples for Analysis  
Routine Parameter List  
Palmer Street Landfill

Phase:

Batch:

Palmer Street Landfill

Contact

Jeffrey Smith

Authorized Signature:

☒ Richard V. Finn, Manager of Chemical Testing  
☐ Martin Ruszaj, Director of Chemical Testing

The following result table is for 10 samples received by IsleChem LLC on 03/26/2010 submitted by Client  
Also enclosed is the paperwork submitted with the samples.

### Narrative:

Analyses were performed within required holding times. All quality control results were within acceptable limits unless specifically noted in the report. Quality control analyses were performed on the samples in this report or samples of similar matrix that were analyzed in the analytical batch on the dates indicated in the report.

### Notes:

| Analyte Group / Method | Analyte                          | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|----------------------------------|-----------|---------|-------|---------|-----------|
| Sample ID              | Location / Description           |           |         |       |         |           |
| 152-0326-01            | BS-3 / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       | 182370                           |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                 |           | <0.005  | mg/L  | RVF     | 3/31/2010 |

IsleChem LLC  
2801 Long Road, Grand Island NY 14072

NYS DOH ELAP ID# 11862  
EPA Lab Code: NY01086

(716) 773-8401 Fax (716) 773-8517  
Project: NY003152.0.20118

www.islechem.com  
Page: 1 of 39

| Analyte Group / Method | Analyte                                  | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>            |           |         |       |         |           |
| <b>152-0325-01</b>     | <b>MW-6D / Field Grab - Ground Water</b> |           |         |       |         |           |
| Chromium, Soluble      |                                          | 182291    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                        |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                          | 182291    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                            |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method | Analyte                          | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|----------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>    |           |         |       |         |           |
| <b>152-0326-01</b>     | BS-3 / Field Grab - Ground Water |           |         |       |         |           |
| Chromium, Soluble      |                                  | 182370    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                  | 182370    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                    |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method  | Analyte                                  | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | Location / Description                   |           |         |       |         |          |
| <b>152-0325-01</b>      | <u>MW-6D</u> / Field Grab - Ground Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182292-182293                            |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2,2-Tetrachloroethane                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2-Trichloroethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethene                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloropropane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)          |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether                 |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Hexanone                               |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | 4-Methyl-2-Pentanone                     |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | Acetone                                  |           | 120     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | Benzene                                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromodichloromethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromoform                                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromomethane                             |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method  | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0326-01</b>      | BS-3 / Field Grab - Ground Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182371-182372                    |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2,2-Tetrachloroethane        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethene               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloropropane              |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)  |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether         |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Hexanone                       |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | 4-Methyl-2-Pentanone             |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | Acetone                          |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | Benzene                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromodichloromethane             |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromoform                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromomethane                     |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | Location / Description            |           |         |       |         |          |
| <b>152-0325-01</b>     | MW-6D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                                 | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-----------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>           |           |         |       |         |          |
| <b>152-0326-01</b>     | <b>BS-3 / Field Grab - Ground Water</b> |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chlorobenzene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroethane                            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroform                              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloromethane                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Dibromochloromethane                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Ethyl benzene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | m,p-Xylene                              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Methylene chloride                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | o-Xylene                                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Styrene                                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                       |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Toluene                                 |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method                       | Analyte                                  | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>            |           |         |       |         |          |
| <b>152-0325-01</b>                           | <b>MW-6D / Field Grab - Ground Water</b> |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | trans-1,3-Dichloropropene                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | Trichloroethene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                                    | Vinyl acetate                            |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                                      | Vinyl chloride                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                          |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14                  |           | 92.8    | %     | TWS     | 4/8/2010 |
|                                              | 1,4-Difluorobenzene                      |           | 82.2    | %     | TWS     | 4/8/2010 |
|                                              | Chlorobenzene-d5                         |           | 87.2    | %     | TWS     | 4/8/2010 |
|                                              | Pentafluorobenzene                       |           | 80.8    | %     | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                          |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene                       |           | 90.1    | %     | TWS     | 4/8/2010 |
|                                              | Dibromofluoromethane                     |           | 102     | %     | TWS     | 4/8/2010 |
|                                              | Toluene-d8                               |           | 92.3    | %     | TWS     | 4/8/2010 |
| <i>end of Lab ID number 110940</i>           |                                          |           |         |       |         |          |

| Analyte Group / Method                | Analyte                                 | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|-----------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>           |           |         |       |         |          |
| <b>152-0326-01</b>                    | <b>BS-3 / Field Grab - Ground Water</b> |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | Trichloroethene                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B                             | Vinyl acetate                           |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                               | Vinyl chloride                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                         |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                 |           | 94.1    | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene                     |           | 87.3    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                        |           | 91.9    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                      |           | 85.4    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                         |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                      |           | 92.1    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane                    |           | 103     | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                              |           | 90.8    | %     | TWS     | 4/7/2010 |
| end of Lab ID number 110967           |                                         |           |         |       |         |          |

| Analyte Group / Method | Analyte                          | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|----------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>    |           |         |       |         |           |
| <b>152-0325-02</b>     | MW-6 / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                  | 182294    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                 |           | 0.040   | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                  | 182294    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                  | 182294    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                    |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|-----------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>     |           |         |       |         |           |
| <b>152-0326-02</b>     | MW-8D / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                   | 182373    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                  |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                   | 182373    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                 |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                   | 182373    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                     |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method  | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| Sample ID               | Location / Description           |           |         |       |         |          |
| 152-0325-02             | MW-6 / Field Grab - Ground Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182295-182296                    |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2,2-Tetrachloroethane        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethene               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloropropane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether         |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Hexanone                       |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | 4-Methyl-2-Pentanone             |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | Acetone                          |           | 61.9    | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | Benzene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromodichloromethane             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromoform                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromomethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method  | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0326-02</b>      | MW-8D / Field Grab - Ground Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182374-182375                     |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane             |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2,2-Tetrachloroethane         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2-Trichloroethane             |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethane                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethene                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloroethane                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloropropane               |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)   |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether          |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Hexanone                        |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | 4-Methyl-2-Pentanone              |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | Acetone                           |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | Benzene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromodichloromethane              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromoform                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromomethane                      |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0325-02</b>     | MW-6 / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0326-02</b>     | MW-8D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chlorobenzene                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroethane                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroform                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloromethane                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Dibromochloromethane              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Ethyl benzene                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | m,p-Xylene                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Methylene chloride                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | o-Xylene                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Styrene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Toluene                           |           | <5      | ng/L  | TWS     | 4/7/2010 |

| Analyte Group / Method                | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0325-02</b>                    | MW-6 / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                       | trans-1,3-Dichloropropene        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                       | Trichloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                             | Vinyl acetate                    |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                               | Vinyl chloride                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
| Volatiles QC - 624 Internal Standards |                                  |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14          |           | 93.2    | %     | TWS     | 4/8/2010 |
|                                       | 1,4-Difluorobenzene              |           | 82.6    | %     | TWS     | 4/8/2010 |
|                                       | Chlorobenzene-d5                 |           | 86.8    | %     | TWS     | 4/8/2010 |
|                                       | Pentafluorobenzene               |           | 80.7    | %     | TWS     | 4/8/2010 |
| Volatiles QC - 624 Surrogates         |                                  |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene               |           | 89.0    | %     | TWS     | 4/8/2010 |
|                                       | Dibromofluoromethane             |           | 102     | %     | TWS     | 4/8/2010 |
|                                       | Toluene-d8                       |           | 92.3    | %     | TWS     | 4/8/2010 |
| end of Lab ID number 110941           |                                  |           |         |       |         |          |

| Analyte Group / Method                | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>     |           |         |       |         |          |
| 152-0326-02                           | MW-8D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | Trichloroethene                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B                             | Vinyl acetate                     |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                               | Vinyl chloride                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                   |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14           |           | 97.2    | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene               |           | 89.8    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                  |           | 94.2    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                |           | 87.8    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                   |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                |           | 91.5    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane              |           | 102     | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                        |           | 94.0    | %     | TWS     | 4/7/2010 |
| end of Lab ID number 110968           |                                   |           |         |       |         |          |

| Analyte Group / Method                 | Analyte                                                           | Vessel ID | Results                             | Units | Analyst | Date      |
|----------------------------------------|-------------------------------------------------------------------|-----------|-------------------------------------|-------|---------|-----------|
| <b>Sample ID</b><br><b>152-0325-03</b> | <b>Location / Description</b><br>BS-1 / Field Grab - Ground Water |           | <u>Creek Sample - NO BANK seep.</u> |       |         |           |
| Arsenic, Soluble                       |                                                                   | 182297    |                                     |       |         |           |
| EPA 200.7 Rev 4.4                      | Arsenic, Soluble                                                  |           | <0.005 ✓                            | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble                      |                                                                   | 182297    |                                     |       |         |           |
| EPA 200.7 Rev 4.4                      | Chromium, Soluble                                                 |           | <0.01 ✓                             | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble                          |                                                                   | 182297    |                                     |       |         |           |
| EPA 200.7 Rev 4.4                      | Lead, Soluble                                                     |           | <0.01 ✓                             | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method | Analyte                                  | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>            |           |         |       |         |           |
| <b>152-0326-03</b>     | <u>MW-7D</u> / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                          | 182376    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                         |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                          | 182376    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                        |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                          | 182376    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                            |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method         | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0325-03</b>             | BS-1 / Field Grab - Ground Water |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | 182298-182299                    |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2,2-Tetrachloroethane        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethene               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloropropane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether         |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Hexanone                       |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | 4-Methyl-2-Pentanone             |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | Acetone                          |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | Benzene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromodichloromethane             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromoform                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromomethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method                | Analyte                           | Vessel ID              | Results                   | Units              | Analyst          | Date     |
|---------------------------------------|-----------------------------------|------------------------|---------------------------|--------------------|------------------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>     |                        |                           |                    |                  |          |
| 152-0326-03                           | MW-7D / Field Grab - Ground Water |                        |                           |                    |                  |          |
| Volatiles - Moench (37)               | 182377-182378                     |                        |                           |                    |                  |          |
| EPA 624                               | 1,1,1-Trichloroethane             |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | 1,1,2,2-Tetrachloroethane         |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | 1,1,2-Trichloroethane             |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | 1,1-Dichloroethane                |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | 1,1-Dichloroethene                |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | 1,2-Dichloroethane                |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | 1,2-Dichloropropane               |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
| EPA 8260B                             | 2-Butanone (Methylethyl ketone)   |                        | <10                       | ug/L               | TWS              | 4/7/2010 |
| EPA 624                               | 2-Chloroethylvinyl ether          |                        | <10                       | ug/L               | TWS              | 4/7/2010 |
| EPA 8260B                             | 2-Hexanone                        |                        | <10                       | ug/L               | TWS              | 4/7/2010 |
|                                       | 4-Methyl-2-Pentanone              |                        | <10                       | ug/L               | TWS              | 4/7/2010 |
|                                       | Acetone                           |                        | <10                       | ug/L               | TWS              | 4/7/2010 |
| EPA 624                               | Benzene                           |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | Bromodichloromethane              |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | Bromoform                         |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
|                                       | Bromomethane                      |                        | <5                        | ug/L               | TWS              | 4/7/2010 |
| IsleChem LLC                          |                                   | NYS DOH ELAP ID# 11862 | (716) 773-8401            | Fax (716) 773-8517 | www.islechem.com |          |
| 2801 Long Road, Grand Island NY 14072 |                                   | EPA Lab Code: NY01086  | Project: NY003152.0.20118 |                    | Page: 11 of 39   |          |

| Analyte Group / Method | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>    |           |         |       |         |          |
| 152-0325-03            | BS-1 / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0326-03</b>     | MW-7D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chlorobenzene                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroethane                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroform                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloromethane                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Dibromochloromethane              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Ethyl benzene                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | m,p-Xylene                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Methylene chloride                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | o-Xylene                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Styrene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Toluene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method                       | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0325-03</b>                           | BS-1 / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | trans-1,3-Dichloropropene        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | Trichloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                                    | Vinyl acetate                    |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                                      | Vinyl chloride                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                  |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14          |           | 91.1    | %     | TWS     | 4/8/2010 |
|                                              | 1,4-Difluorobenzene              |           | 80.6    | %     | TWS     | 4/8/2010 |
|                                              | Chlorobenzene-d5                 |           | 85.7    | %     | TWS     | 4/8/2010 |
|                                              | Pentafluorobenzene               |           | 79.2    | %     | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                  |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene               |           | 91.3    | %     | TWS     | 4/8/2010 |
|                                              | Dibromofluoromethane             |           | 105     | %     | TWS     | 4/8/2010 |
|                                              | Toluene-d8                       |           | 89.3    | %     | TWS     | 4/8/2010 |
| <i>end of Lab ID number 110942</i>           |                                  |           |         |       |         |          |

| Analyte Group / Method                | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0326-03</b>                    | MW-7D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | Trichloroethene                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B                             | Vinyl acetate                     |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                               | Vinyl chloride                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                   |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14           |           | 94.5    | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene               |           | 89.2    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                  |           | 93.4    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                |           | 86.6    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                   |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                |           | 92.5    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane              |           | 102     | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                        |           | 94.1    | %     | TWS     | 4/7/2010 |
| end of Lab ID number 110969           |                                   |           |         |       |         |          |

| Analyte Group / Method | Analyte                                   | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|-------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>             |           |         |       |         |           |
| <b>152-0325-04</b>     | <b>MW-4SR / Field Grab - Ground Water</b> |           |         |       |         |           |
| Arsenic, Soluble       |                                           | 182300    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                          |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                           | 182300    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                         |           | 0.017   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                           | 182300    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                             |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method | Analyte                                     | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|---------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>               |           |         |       |         |           |
| <b>152-0326-04</b>     | Equipment Blank / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                             | 182379    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                            |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                             | 182379    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                           |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                             | 182379    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                               |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method         | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>             |           |         |       |         |          |
| <b>152-0325-04</b>             | <b>MW-4SR / Field Grab - Ground Water</b> |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | <b>182301-182302</b>                      |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2,2-Tetrachloroethane                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2-Trichloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethane                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethene                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloroethane                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloropropane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)           |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether                  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Hexanone                                |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | 4-Methyl-2-Pentanone                      |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | Acetone                                   |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | Benzene                                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromodichloromethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromoform                                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromomethane                              |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method  | Analyte                                     | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|---------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>               |           |         |       |         |          |
| <b>152-0326-04</b>      | Equipment Blank / Field Grab - Ground Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182380-182381                               |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane                       |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2,2-Tetrachloroethane                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2-Trichloroethane                       |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethane                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethene                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloroethane                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloropropane                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)             |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether                    |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Hexanone                                  |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | 4-Methyl-2-Pentanone                        |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | Acetone                                     |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | Benzene                                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromodichloromethane                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromoform                                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromomethane                                |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method | Analyte                            | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>      |           |         |       |         |          |
| <b>152-0325-04</b>     | MW-4SR / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                            |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                                     | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|---------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>               |           |         |       |         |          |
| <b>152-0326-04</b>     | Equipment Blank / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                            |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chlorobenzene                               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroethane                                |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroform                                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloromethane                               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Dibromochloromethane                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Ethyl benzene                               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | m,p-Xylene                                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Methylene chloride                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | o-Xylene                                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Styrene                                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Toluene                                     |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method                       | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>             |           |         |       |         |          |
| <b>152-0325-04</b>                           | <b>MW-4SR / Field Grab - Ground Water</b> |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | trans-1,3-Dichloropropene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | Trichloroethene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                                    | Vinyl acetate                             |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                                      | Vinyl chloride                            |           | <5      | ug/L  | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                           |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14                   |           | 91.8    | %     | TWS     | 4/8/2010 |
|                                              | 1,4-Difluorobenzene                       |           | 81.5    | %     | TWS     | 4/8/2010 |
|                                              | Chlorobenzene-d5                          |           | 85.6    | %     | TWS     | 4/8/2010 |
|                                              | Pentafluorobenzene                        |           | 80.8    | %     | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                           |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene                        |           | 89.8    | %     | TWS     | 4/8/2010 |
|                                              | Dibromofluoromethane                      |           | 102     | %     | TWS     | 4/8/2010 |
|                                              | Toluene-d8                                |           | 92.9    | %     | TWS     | 4/8/2010 |
| <i>end of Lab ID number 110943</i>           |                                           |           |         |       |         |          |

| Analyte Group / Method                | Analyte                                     | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|---------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>               |           |         |       |         |          |
| 152-0326-04                           | Equipment Blank / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | Trichloroethene                             |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B                             | Vinyl acetate                               |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                               | Vinyl chloride                              |           | <5      | ug/L  | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                             |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                     |           | 94.0    | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene                         |           | 90.2    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                            |           | 94.2    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                          |           | 87.6    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                             |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                          |           | 94.2    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane                        |           | 102     | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                                  |           | 93.5    | %     | TWS     | 4/7/2010 |
| end of Lab ID number 110970           |                                             |           |         |       |         |          |

| Analyte Group / Method | Analyte                          | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|----------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>    |           |         |       |         |           |
| <b>152-0325-05</b>     | BS-2 / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                  | 182303    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                 |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                  | 182303    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                  | 182303    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                    |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method  | Analyte                            | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>      |           |         |       |         |          |
| <b>152-0326-05</b>      | Trip Blank / Trip Blank - DI Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182382                             |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2,2-Tetrachloroethane          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2-Trichloroethane              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethane                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethene                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloroethane                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloropropane                |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)    |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether           |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Hexanone                         |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | 4-Methyl-2-Pentanone               |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | Acetone                            |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | Benzene                            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromodichloromethane               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromoform                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromomethane                       |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method  | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0325-05</b>      | BS-2 / Field Grab - Ground Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182304-182305                    |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2,2-Tetrachloroethane        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2-Trichloroethane            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethene               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloroethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloropropane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether         |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Hexanone                       |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | 4-Methyl-2-Pentanone             |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | Acetone                          |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | Benzene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromodichloromethane             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromoform                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromomethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                            | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>      |           |         |       |         |          |
| <b>152-0326-05</b>     | Trip Blank / Trip Blank - DI Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chlorobenzene                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroethane                       |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroform                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloromethane                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene             |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Dibromochloromethane               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Ethyl benzene                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | m,p-Xylene                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Methylene chloride                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | o-Xylene                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Styrene                            |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Toluene                            |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0325-05</b>     | BS-2 / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method                | Analyte                            | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>      |           |         |       |         |          |
| <b>152-0326-05</b>                    | Trip Blank / Trip Blank - DI Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene           |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | Trichloroethene                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B                             | Vinyl acetate                      |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                               | Vinyl chloride                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                    |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14            |           | 94.4    | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene                |           | 86.7    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                   |           | 91.2    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                 |           | 84.3    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                    |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                 |           | 91.5    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane               |           | 103     | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                         |           | 93.3    | %     | TWS     | 4/7/2010 |
| end of Lab ID number 110971           |                                    |           |         |       |         |          |

| Analyte Group / Method                       | Analyte                          | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>    |           |         |       |         |          |
| <b>152-0325-05</b>                           | BS-2 / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | trans-1,3-Dichloropropene        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | Trichloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                                    | Vinyl acetate                    |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                                      | Vinyl chloride                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                  |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14          |           | 94.3    | %     | TWS     | 4/8/2010 |
|                                              | 1,4-Difluorobenzene              |           | 84.3    | %     | TWS     | 4/8/2010 |
|                                              | Chlorobenzene-d5                 |           | 89.0    | %     | TWS     | 4/8/2010 |
|                                              | Pentafluorobenzene               |           | 82.7    | %     | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                  |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene               |           | 89.3    | %     | TWS     | 4/8/2010 |
|                                              | Dibromofluoromethane             |           | 101     | %     | TWS     | 4/8/2010 |
|                                              | Toluene-d8                       |           | 91.7    | %     | TWS     | 4/8/2010 |
| <i>end of Lab ID number 110944</i>           |                                  |           |         |       |         |          |

| Analyte Group / Method         | Analyte                                             | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|-----------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>                       |           |         |       |         |          |
| <b>152-0326-06</b>             | <b>Lab Duplicate / Lab Duplicate - Ground Water</b> |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | <b>DUP</b>                                          |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane                               |           | 0.9     | RPD   | TWS     | 4/7/2010 |
|                                | 1,1,2,2-Tetrachloroethane                           |           | 0.9     | RPD   | TWS     | 4/7/2010 |
|                                | 1,1,2-Trichloroethane                               |           | 0.9     | RPD   | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethane                                  |           | 1.9     | RPD   | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethene                                  |           | 2.0     | RPD   | TWS     | 4/7/2010 |
|                                | 1,2-Dichloroethane                                  |           | 1.8     | RPD   | TWS     | 4/7/2010 |
|                                | 1,2-Dichloropropane                                 |           | 1.9     | RPD   | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)                     |           | 2.7     | RPD   | TWS     | 4/7/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether                            |           | 0.0     | RPD   | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Hexanone                                          |           | 0.9     | RPD   | TWS     | 4/7/2010 |
|                                | 4-Methyl-2-Pentanone                                |           | 0.9     | RPD   | TWS     | 4/7/2010 |
|                                | Acetone                                             |           | 4.4     | RPD   | TWS     | 4/7/2010 |
| EPA 624                        | Benzene                                             |           | 2.9     | RPD   | TWS     | 4/7/2010 |
|                                | Bromodichloromethane                                |           | 0.0     | RPD   | TWS     | 4/7/2010 |
|                                | Bromoform                                           |           | 1.0     | RPD   | TWS     | 4/7/2010 |
|                                | Bromomethane                                        |           | 1.8     | RPD   | TWS     | 4/7/2010 |

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|-----------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>     |           |         |       |         |           |
| <b>152-0325-06</b>     | MW-4D / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                   | 182306    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                  |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                   | 182306    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                 |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                   | 182306    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                     |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method | Analyte                                      | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|----------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>                |           |         |       |         |          |
| <b>152-0326-06</b>     | Lab Duplicate / Lab Duplicate - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                             |           | 5.3     | RPD   | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride                         |           | 1.9     | RPD   | TWS     | 4/7/2010 |
|                        | Chlorobenzene                                |           | 2.9     | RPD   | TWS     | 4/7/2010 |
|                        | Chloroethane                                 |           | 0.0     | RPD   | TWS     | 4/7/2010 |
|                        | Chloroform                                   |           | 1.9     | RPD   | TWS     | 4/7/2010 |
|                        | Chloromethane                                |           | 2.6     | RPD   | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene                       |           | 2.8     | RPD   | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene                      |           | 0.2     | RPD   | TWS     | 4/7/2010 |
|                        | Dibromochloromethane                         |           | 1.9     | RPD   | TWS     | 4/7/2010 |
|                        | Ethyl benzene                                |           | 4.8     | RPD   | TWS     | 4/7/2010 |
|                        | m,p-Xylene                                   |           | 4.9     | RPD   | TWS     | 4/7/2010 |
|                        | Methylene chloride                           |           | 0.0     | RPD   | TWS     | 4/7/2010 |
|                        | o-Xylene                                     |           | 2.9     | RPD   | TWS     | 4/7/2010 |
|                        | Styrene                                      |           | 4.1     | RPD   | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                            |           | 5.9     | RPD   | TWS     | 4/7/2010 |
|                        | Toluene                                      |           | 4.8     | RPD   | TWS     | 4/7/2010 |

| Analyte Group / Method  | Analyte                                  | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>            |           |         |       |         |          |
| <b>152-0325-06</b>      | <b>MW-4D / Field Grab - Ground Water</b> |           |         |       |         |          |
| Volatiles - Moench (37) | 182307-182308                            |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2,2-Tetrachloroethane                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2-Trichloroethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethene                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloropropane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)          |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether                 |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Hexanone                               |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | 4-Methyl-2-Pentanone                     |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | Acetone                                  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | Benzene                                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromodichloromethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromoform                                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromomethane                             |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method             | Analyte                                      | Vessel ID | Results | Units | Analyst | Date     |
|------------------------------------|----------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                   | <b>Location / Description</b>                |           |         |       |         |          |
| <b>152-0326-06</b>                 | Lab Duplicate / Lab Duplicate - Ground Water |           |         |       |         |          |
| EPA 624                            | trans-1,2-Dichloroethene                     |           | 2.9     | RPD   | TWS     | 4/7/2010 |
|                                    | trans-1,3-Dichloropropene                    |           | 0.0     | RPD   | TWS     | 4/7/2010 |
|                                    | Trichloroethene                              |           | 1.0     | RPD   | TWS     | 4/7/2010 |
| EPA 8260B                          | Vinyl acetate                                |           | 4.0     | RPD   | TWS     | 4/7/2010 |
| EPA 624                            | Vinyl chloride                               |           | 6.1     | RPD   | TWS     | 4/7/2010 |
| <i>end of Lab ID number 110972</i> |                                              |           |         |       |         |          |

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0325-06</b>     | MW-4D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                                    | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|--------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>              |           |         |       |         |           |
| <b>152-0326-07</b>     | Method Blank / Method Blank - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                            | BLK       |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                           |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                            | BLK       |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                          |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                            | BLK       |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                              |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method                       | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0325-06</b>                           | MW-4D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | trans-1,3-Dichloropropene         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | Trichloroethene                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                                    | Vinyl acetate                     |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                                      | Vinyl chloride                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                   |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14           |           | 93.5    | %     | TWS     | 4/8/2010 |
|                                              | 1,4-Difluorobenzene               |           | 83.2    | %     | TWS     | 4/8/2010 |
|                                              | Chlorobenzene-d5                  |           | 88.6    | %     | TWS     | 4/8/2010 |
|                                              | Pentafluorobenzene                |           | 81.1    | %     | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                   |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene                |           | 90.3    | %     | TWS     | 4/8/2010 |
|                                              | Dibromofluoromethane              |           | 102     | %     | TWS     | 4/8/2010 |
|                                              | Toluene-d8                        |           | 91.4    | %     | TWS     | 4/8/2010 |
| <i>end of Lab ID number 110945</i>           |                                   |           |         |       |         |          |

| Analyte Group / Method  | Analyte                                    | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|--------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>              |           |         |       |         |          |
| 152-0326-07             | Method Blank / Method Blank - Ground Water |           |         |       |         |          |
| Volatiles - Moench (37) | BLK                                        |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2,2-Tetrachloroethane                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1,2-Trichloroethane                      |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethane                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,1-Dichloroethene                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloroethane                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | 1,2-Dichloropropane                        |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)            |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether                   |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B               | 2-Hexanone                                 |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | 4-Methyl-2-Pentanone                       |           | <10     | ug/L  | TWS     | 4/7/2010 |
|                         | Acetone                                    |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                 | Benzene                                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromodichloromethane                       |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromoform                                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                         | Bromomethane                               |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method | Analyte                                  | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>            |           |         |       |         |           |
| <b>152-0325-07</b>     | <b>MW-3D / Field Grab - Ground Water</b> |           |         |       |         |           |
| Arsenic, Soluble       |                                          | 182309    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                         |           | 0.009   | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                          | 182309    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                        |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                          | 182309    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                            |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method | Analyte                                    | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|--------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>              |           |         |       |         |          |
| 152-0326-07            | Method Blank / Method Blank - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                           |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride                       |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chlorobenzene                              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroethane                               |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloroform                                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Chloromethane                              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene                     |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Dibromochloromethane                       |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Ethyl benzene                              |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | m,p-Xylene                                 |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Methylene chloride                         |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | o-Xylene                                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Styrene                                    |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                          |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                        | Toluene                                    |           | <5      | ug/L  | TWS     | 4/7/2010 |

| Analyte Group / Method         | Analyte                                  | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>            |           |         |       |         |          |
| <b>152-0325-07</b>             | <b>MW-3D / Field Grab - Ground Water</b> |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | <b>182310-182311</b>                     |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2,2-Tetrachloroethane                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2-Trichloroethane                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethene                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloropropane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)          |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether                 |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Hexanone                               |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | 4-Methyl-2-Pentanone                     |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | Acetone                                  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | Benzene                                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromodichloromethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromoform                                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromomethane                             |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method                | Analyte                                    | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|--------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>              |           |         |       |         |          |
| 152-0326-07                           | Method Blank / Method Blank - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                   |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene                  |           | <5      | ug/L  | TWS     | 4/7/2010 |
|                                       | Trichloroethene                            |           | <5      | ug/L  | TWS     | 4/7/2010 |
| EPA 8260B                             | Vinyl acetate                              |           | <10     | ug/L  | TWS     | 4/7/2010 |
| EPA 624                               | Vinyl chloride                             |           | <5      | ug/L  | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                            |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                    |           | 101     | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene                        |           | 95.1    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                           |           | 95.1    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                         |           | 94.4    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                            |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                         |           | 91.4    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane                       |           | 99.8    | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                                 |           | 96.1    | %     | TWS     | 4/7/2010 |

end of Lab ID number 110973

| Analyte Group / Method | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0325-07</b>     | MW-3D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                                                | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|--------------------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>                          |           |         |       |         |           |
| <b>152-0326-08</b>     | Lab Control Sample / Lab Control Sample - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       | LCS                                                    |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                                       |           | 100     | %     | RVF     | 3/31/2010 |
| Chromium, Soluble      | LCS                                                    |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                                      |           | 99.4    | %     | RVF     | 3/31/2010 |
| Lead, Soluble          | LCS                                                    |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                                          |           | 97.0    | %     | RVF     | 3/31/2010 |

| Analyte Group / Method                       | Analyte                           | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|-----------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>     |           |         |       |         |          |
| <b>152-0325-07</b>                           | MW-3D / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | trans-1,3-Dichloropropene         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | Trichloroethene                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                                    | Vinyl acetate                     |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                                      | Vinyl chloride                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                   |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14           |           | 93.8    | %     | TWS     | 4/8/2010 |
|                                              | 1,4-Difluorobenzene               |           | 84.1    | %     | TWS     | 4/8/2010 |
|                                              | Chlorobenzene-d5                  |           | 88.7    | %     | TWS     | 4/8/2010 |
|                                              | Pentafluorobenzene                |           | 82.5    | %     | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                   |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene                |           | 90.2    | %     | TWS     | 4/8/2010 |
|                                              | Dibromofluoromethane              |           | 102     | %     | TWS     | 4/8/2010 |
|                                              | Toluene-d8                        |           | 92.2    | %     | TWS     | 4/8/2010 |
| <i>end of Lab ID number 110946</i>           |                                   |           |         |       |         |          |

| Analyte Group / Method         | Analyte                                                | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|--------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>                          |           |         |       |         |          |
| <b>152-0326-08</b>             | Lab Control Sample / Lab Control Sample - Ground Water |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | <b>LCS</b>                                             |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane                                  |           | 96.7    | %     | TWS     | 4/7/2010 |
|                                | 1,1,2,2-Tetrachloroethane                              |           | 105     | %     | TWS     | 4/7/2010 |
|                                | 1,1,2-Trichloroethane                                  |           | 103     | %     | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethane                                     |           | 94.0    | %     | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethene                                     |           | 91.0    | %     | TWS     | 4/7/2010 |
|                                | 1,2-Dichloroethane                                     |           | 101     | %     | TWS     | 4/7/2010 |
|                                | 1,2-Dichloropropane                                    |           | 97.6    | %     | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)                        |           | 90.7    | %     | TWS     | 4/7/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether                               |           | 85.2    | %     | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Hexanone                                             |           | 103     | %     | TWS     | 4/7/2010 |
|                                | 4-Methyl-2-Pentanone                                   |           | 106     | %     | TWS     | 4/7/2010 |
|                                | Acetone                                                |           | 72.5    | %     | TWS     | 4/7/2010 |
| EPA 624                        | Benzene                                                |           | 96.5    | %     | TWS     | 4/7/2010 |
|                                | Bromodichloromethane                                   |           | 101     | %     | TWS     | 4/7/2010 |
|                                | Bromoform                                              |           | 100     | %     | TWS     | 4/7/2010 |
|                                | Bromomethane                                           |           | 101     | %     | TWS     | 4/7/2010 |

| Analyte Group / Method | Analyte                                   | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|-------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>             |           |         |       |         |           |
| <b>152-0325-08</b>     | Blind Duplic. / Field Grab - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       |                                           | 182312    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                          |           | 0.015 ✓ | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                           | 182312    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                         |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          |                                           | 182312    |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                             |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

| Analyte Group / Method | Analyte                                                | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|--------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>                          |           |         |       |         |          |
| <b>152-0326-08</b>     | Lab Control Sample / Lab Control Sample - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                                       |           | 87.7    | %     | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride                                   |           | 98.7    | %     | TWS     | 4/7/2010 |
|                        | Chlorobenzene                                          |           | 98.1    | %     | TWS     | 4/7/2010 |
|                        | Chloroethane                                           |           | 102     | %     | TWS     | 4/7/2010 |
|                        | Chloroform                                             |           | 95.3    | %     | TWS     | 4/7/2010 |
|                        | Chloromethane                                          |           | 107     | %     | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene                                 |           | 95.3    | %     | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene                                |           | 102     | %     | TWS     | 4/7/2010 |
|                        | Dibromochloromethane                                   |           | 105     | %     | TWS     | 4/7/2010 |
|                        | Ethyl benzene                                          |           | 96.8    | %     | TWS     | 4/7/2010 |
|                        | m,p-Xylene                                             |           | 96.7    | %     | TWS     | 4/7/2010 |
|                        | Methylene chloride                                     |           | 91.7    | %     | TWS     | 4/7/2010 |
|                        | o-Xylene                                               |           | 97.1    | %     | TWS     | 4/7/2010 |
|                        | Styrene                                                |           | 103     | %     | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                                      |           | 97.4    | %     | TWS     | 4/7/2010 |
|                        | Toluene                                                |           | 95.8    | %     | TWS     | 4/7/2010 |

| Analyte Group / Method         | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>             |           |         |       |         |          |
| <b>152-0325-08</b>             | Blind Duplic. / Field Grab - Ground Water |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | <b>182313-182314</b>                      |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2,2-Tetrachloroethane                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1,2-Trichloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethane                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,1-Dichloroethene                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloroethane                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | 1,2-Dichloropropane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)           |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether                  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                      | 2-Hexanone                                |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | 4-Methyl-2-Pentanone                      |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                                | Acetone                                   |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                        | Benzene                                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromodichloromethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromoform                                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                | Bromomethane                              |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method                | Analyte                                                | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|--------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>                          |           |         |       |         |          |
| <b>152-0326-08</b>                    | Lab Control Sample / Lab Control Sample - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                               |           | 93.4    | %     | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene                              |           | 106     | %     | TWS     | 4/7/2010 |
|                                       | Trichloroethene                                        |           | 93.4    | %     | TWS     | 4/7/2010 |
|                                       | Vinyl chloride                                         |           | 102     | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                                        |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                                |           | 95.6    | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene                                    |           | 91.2    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                                       |           | 92.4    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                                     |           | 91.8    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                                        |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                                     |           | 91.4    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane                                   |           | 96.8    | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                                             |           | 96.8    | %     | TWS     | 4/7/2010 |
| end of Lab ID number 110974           |                                                        |           |         |       |         |          |

| Analyte Group / Method | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>             |           |         |       |         |          |
| <b>152-0325-08</b>     | Blind Duplic. / Field Grab - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                                   |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                                    | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|--------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>              |           |         |       |         |           |
| <b>152-0326-09</b>     | Matrix Spike / Matrix Spike - Ground Water |           |         |       |         |           |
| Arsenic, Soluble       | MS                                         |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                           |           | 102     | %     | RVF     | 3/31/2010 |
| Chromium, Soluble      | MS                                         |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                          |           | 90.3    | %     | RVF     | 3/31/2010 |
| Lead, Soluble          | MS                                         |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                              |           | 89.9    | %     | RVF     | 3/31/2010 |

| Analyte Group / Method                | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>             |           |         |       |         |          |
| <b>152-0325-08</b>                    | Blind Duplic. / Field Grab - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                       | trans-1,3-Dichloropropene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                       | Trichloroethene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                             | Vinyl acetate                             |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                               | Vinyl chloride                            |           | <5      | ug/L  | TWS     | 4/8/2010 |
| Volatiles QC - 624 Internal Standards |                                           |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                   |           | 94.6    | %     | TWS     | 4/8/2010 |
|                                       | 1,4-Difluorobenzene                       |           | 84.2    | %     | TWS     | 4/8/2010 |
|                                       | Chlorobenzene-d5                          |           | 89.2    | %     | TWS     | 4/8/2010 |
|                                       | Pentafluorobenzene                        |           | 83.8    | %     | TWS     | 4/8/2010 |
| Volatiles QC - 624 Surrogates         |                                           |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                        |           | 89.8    | %     | TWS     | 4/8/2010 |
|                                       | Dibromofluoromethane                      |           | 102     | %     | TWS     | 4/8/2010 |
|                                       | Toluene-d8                                |           | 92.2    | %     | TWS     | 4/8/2010 |
| end of Lab ID number 110947           |                                           |           |         |       |         |          |

| Analyte Group / Method         | Analyte                                           | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|---------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>                     |           |         |       |         |          |
| <b>152-0326-09</b>             | <b>Matrix Spike / Matrix Spike - Ground Water</b> |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | <b>MS</b>                                         |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane                             |           | 106     | %     | TWS     | 4/7/2010 |
|                                | 1,1,2,2-Tetrachloroethane                         |           | 106     | %     | TWS     | 4/7/2010 |
|                                | 1,1,2-Trichloroethane                             |           | 108     | %     | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethane                                |           | 109     | %     | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethene                                |           | 101     | %     | TWS     | 4/7/2010 |
|                                | 1,2-Dichloroethane                                |           | 110     | %     | TWS     | 4/7/2010 |
|                                | 1,2-Dichloropropane                               |           | 106     | %     | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)                   |           | 111     | %     | TWS     | 4/7/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether                          |           | 14.8    | %     | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Hexanone                                        |           | 108     | %     | TWS     | 4/7/2010 |
|                                | 4-Methyl-2-Pentanone                              |           | 110     | %     | TWS     | 4/7/2010 |
|                                | Acetone                                           |           | 88.7    | %     | TWS     | 4/7/2010 |
| EPA 624                        | Benzene                                           |           | 103     | %     | TWS     | 4/7/2010 |
|                                | Bromodichloromethane                              |           | 109     | %     | TWS     | 4/7/2010 |
|                                | Bromoform                                         |           | 97.6    | %     | TWS     | 4/7/2010 |
|                                | Bromomethane                                      |           | 109     | %     | TWS     | 4/7/2010 |

| Analyte Group / Method  | Analyte                            | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>      |           |         |       |         |          |
| <b>152-0325-09</b>      | Trip Blank / Trip Blank - DI Water |           |         |       |         |          |
| Volatiles - Moench (37) | 182315                             |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2,2-Tetrachloroethane          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2-Trichloroethane              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethane                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloroethane                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloropropane                |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)    |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether           |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Hexanone                         |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | 4-Methyl-2-Pentanone               |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | Acetone                            |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | Benzene                            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromodichloromethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromoform                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromomethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method | Analyte                                    | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|--------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>              |           |         |       |         |          |
| <b>152-0326-09</b>     | Matrix Spike / Matrix Spike - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                           |           | 86.0    | %     | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride                       |           | 106     | %     | TWS     | 4/7/2010 |
|                        | Chlorobenzene                              |           | 101     | %     | TWS     | 4/7/2010 |
|                        | Chloroethane                               |           | 116     | %     | TWS     | 4/7/2010 |
|                        | Chloroform                                 |           | 109     | %     | TWS     | 4/7/2010 |
|                        | Chloromethane                              |           | 118     | %     | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene                     |           | 110     | %     | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene                    |           | 100     | %     | TWS     | 4/7/2010 |
|                        | Dibromochloromethane                       |           | 104     | %     | TWS     | 4/7/2010 |
|                        | Ethyl benzene                              |           | 101     | %     | TWS     | 4/7/2010 |
|                        | m,p-Xylene                                 |           | 100     | %     | TWS     | 4/7/2010 |
|                        | Methylene chloride                         |           | 101     | %     | TWS     | 4/7/2010 |
|                        | o-Xylene                                   |           | 101     | %     | TWS     | 4/7/2010 |
|                        | Styrene                                    |           | 85.5    | %     | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                          |           | 97.1    | %     | TWS     | 4/7/2010 |
|                        | Toluene                                    |           | 101     | %     | TWS     | 4/7/2010 |

| Analyte Group / Method                | Analyte                                    | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|--------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>              |           |         |       |         |          |
| <b>152-0326-09</b>                    | Matrix Spike / Matrix Spike - Ground Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                   |           | 103     | %     | TWS     | 4/7/2010 |
|                                       | trans-1,3-Dichloropropene                  |           | 102     | %     | TWS     | 4/7/2010 |
|                                       | Trichloroethene                            |           | 102     | %     | TWS     | 4/7/2010 |
| EPA 8260B                             | Vinyl acetate                              |           | 95.4    | %     | TWS     | 4/7/2010 |
| EPA 624                               | Vinyl chloride                             |           | 119     | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Internal Standards |                                            |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                    |           | 92.9    | %     | TWS     | 4/7/2010 |
|                                       | 1,4-Difluorobenzene                        |           | 90.7    | %     | TWS     | 4/7/2010 |
|                                       | Chlorobenzene-d5                           |           | 93.9    | %     | TWS     | 4/7/2010 |
|                                       | Pentafluorobenzene                         |           | 87.1    | %     | TWS     | 4/7/2010 |
| Volatiles QC - 624 Surrogates         |                                            |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                         |           | 88.5    | %     | TWS     | 4/7/2010 |
|                                       | Dibromofluoromethane                       |           | 96.8    | %     | TWS     | 4/7/2010 |
|                                       | Toluene-d8                                 |           | 92.8    | %     | TWS     | 4/7/2010 |
| end of Lab ID number 110975           |                                            |           |         |       |         |          |



| Analyte Group / Method | Analyte                            | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>      |           |         |       |         |          |
| 152-0325-09            | Trip Blank / Trip Blank - DI Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane               |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                            |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                            |           | <5      | ug/L  | TWS     | 4/8/2010 |

| Analyte Group / Method         | Analyte                                                               | Vessel ID | Results | Units | Analyst | Date     |
|--------------------------------|-----------------------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>               | <b>Location / Description</b>                                         |           |         |       |         |          |
| <b>152-0326-10</b>             | <b>Matrix Spike Duplicate / Matrix Spike Duplicate - Ground Water</b> |           |         |       |         |          |
| <b>Volatiles - Moench (37)</b> | <b>MSD</b>                                                            |           |         |       |         |          |
| EPA 624                        | 1,1,1-Trichloroethane                                                 |           | 107     | %     | TWS     | 4/7/2010 |
|                                | 1,1,2,2-Tetrachloroethane                                             |           | 107     | %     | TWS     | 4/7/2010 |
|                                | 1,1,2-Trichloroethane                                                 |           | 109     | %     | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethane                                                    |           | 107     | %     | TWS     | 4/7/2010 |
|                                | 1,1-Dichloroethene                                                    |           | 103     | %     | TWS     | 4/7/2010 |
|                                | 1,2-Dichloroethane                                                    |           | 108     | %     | TWS     | 4/7/2010 |
|                                | 1,2-Dichloropropane                                                   |           | 108     | %     | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Butanone (Methylethyl ketone)                                       |           | 108     | %     | TWS     | 4/7/2010 |
| EPA 624                        | 2-Chloroethylvinyl ether                                              |           | 14.8    | %     | TWS     | 4/7/2010 |
| EPA 8260B                      | 2-Hexanone                                                            |           | 109     | %     | TWS     | 4/7/2010 |
|                                | 4-Methyl-2-Pentanone                                                  |           | 111     | %     | TWS     | 4/7/2010 |
|                                | Acetone                                                               |           | 84.9    | %     | TWS     | 4/7/2010 |
| EPA 624                        | Benzene                                                               |           | 106     | %     | TWS     | 4/7/2010 |
|                                | Bromodichloromethane                                                  |           | 109     | %     | TWS     | 4/7/2010 |
|                                | Bromoform                                                             |           | 98.6    | %     | TWS     | 4/7/2010 |
|                                | Bromomethane                                                          |           | 111     | %     | TWS     | 4/7/2010 |

| Analyte Group / Method                       | Analyte                            | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>      |           |         |       |         |          |
| <b>152-0325-09</b>                           | Trip Blank / Trip Blank - DI Water |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene           |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | trans-1,3-Dichloropropene          |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                              | Trichloroethene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                                    | Vinyl acetate                      |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                                      | Vinyl chloride                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                    |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14            |           | 94.7    | %     | TWS     | 4/8/2010 |
|                                              | 1,4-Difluorobenzene                |           | 86.0    | %     | TWS     | 4/8/2010 |
|                                              | Chlorobenzene-d5                   |           | 88.6    | %     | TWS     | 4/8/2010 |
|                                              | Pentafluorobenzene                 |           | 84.9    | %     | TWS     | 4/8/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                    |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene                 |           | 91.7    | %     | TWS     | 4/8/2010 |
|                                              | Dibromofluoromethane               |           | 102     | %     | TWS     | 4/8/2010 |
|                                              | Toluene-d8                         |           | 95.2    | %     | TWS     | 4/8/2010 |
| end of Lab ID number 110948                  |                                    |           |         |       |         |          |

| Analyte Group / Method | Analyte                                                        | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|----------------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>                                  |           |         |       |         |          |
| <b>152-0326-10</b>     | Matrix Spike Duplicate / Matrix Spike Duplicate - Ground Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                                               |           | 81.6    | %     | TWS     | 4/7/2010 |
| EPA 624                | Carbon tetrachloride                                           |           | 108     | %     | TWS     | 4/7/2010 |
|                        | Chlorobenzene                                                  |           | 104     | %     | TWS     | 4/7/2010 |
|                        | Chloroethane                                                   |           | 116     | %     | TWS     | 4/7/2010 |
|                        | Chloroform                                                     |           | 107     | %     | TWS     | 4/7/2010 |
|                        | Chloromethane                                                  |           | 115     | %     | TWS     | 4/7/2010 |
|                        | cis-1,2-Dichloroethene                                         |           | 107     | %     | TWS     | 4/7/2010 |
|                        | cis-1,3-Dichloropropene                                        |           | 99.8    | %     | TWS     | 4/7/2010 |
|                        | Dibromochloromethane                                           |           | 106     | %     | TWS     | 4/7/2010 |
|                        | Ethyl benzene                                                  |           | 106     | %     | TWS     | 4/7/2010 |
|                        | m,p-Xylene                                                     |           | 105     | %     | TWS     | 4/7/2010 |
|                        | Methylene chloride                                             |           | 101     | %     | TWS     | 4/7/2010 |
|                        | o-Xylene                                                       |           | 104     | %     | TWS     | 4/7/2010 |
|                        | Styrene                                                        |           | 89.1    | %     | TWS     | 4/7/2010 |
|                        | Tetrachloroethene                                              |           | 103     | %     | TWS     | 4/7/2010 |
|                        | Toluene                                                        |           | 106     | %     | TWS     | 4/7/2010 |

| Analyte Group / Method                       | Analyte                                                        | Vessel ID | Results | Units | Analyst | Date     |
|----------------------------------------------|----------------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                             | <b>Location / Description</b>                                  |           |         |       |         |          |
| <b>152-0326-10</b>                           | Matrix Spike Duplicate / Matrix Spike Duplicate - Ground Water |           |         |       |         |          |
| EPA 624                                      | trans-1,2-Dichloroethene                                       |           | 106     | %     | TWS     | 4/7/2010 |
|                                              | trans-1,3-Dichloropropene                                      |           | 102     | %     | TWS     | 4/7/2010 |
|                                              | Trichloroethene                                                |           | 103     | %     | TWS     | 4/7/2010 |
| EPA 8260B                                    | Vinyl acetate                                                  |           | 91.7    | %     | TWS     | 4/7/2010 |
| EPA 624                                      | Vinyl chloride                                                 |           | 112     | %     | TWS     | 4/7/2010 |
| <b>Volatiles QC - 624 Internal Standards</b> |                                                                |           |         |       |         |          |
| EPA 624                                      | 1,4-Dichlorobenzene-d14                                        |           | 91.7    | %     | TWS     | 4/7/2010 |
|                                              | 1,4-Difluorobenzene                                            |           | 92.0    | %     | TWS     | 4/7/2010 |
|                                              | Chlorobenzene-d5                                               |           | 93.6    | %     | TWS     | 4/7/2010 |
|                                              | Pentafluorobenzene                                             |           | 91.2    | %     | TWS     | 4/7/2010 |
| <b>Volatiles QC - 624 Surrogates</b>         |                                                                |           |         |       |         |          |
| EPA 624                                      | Bromofluorobenzene                                             |           | 91.1    | %     | TWS     | 4/7/2010 |
|                                              | Dibromofluoromethane                                           |           | 95.8    | %     | TWS     | 4/7/2010 |
|                                              | Toluene-d8                                                     |           | 95.8    | %     | TWS     | 4/7/2010 |
| <i>end of Lab ID number 110976</i>           |                                                                |           |         |       |         |          |



| Analyte Group / Method | Analyte | Vessel ID | Results | Units | Analyst | Date |
|------------------------|---------|-----------|---------|-------|---------|------|
|------------------------|---------|-----------|---------|-------|---------|------|

*General Disclaimer*

- The test results are submitted pursuant to IsleChem LLC's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted.
- This report is issued for the benefit of and may be relied upon by the client named above. The client bears full responsibility for deciding the level of testing for sample submitted to IsleChem LLC.
- These results pertain only to the items tested.
- This report shall not be reproduced except in full.
- If the sample(s) represented by these test results were not collected by IsleChem LLC then the test results are limited to the reported values determine by the analytical testing process. IsleChem LLC makes no representation regarding the sample's collection technique, condition, volume, homogeneity or any other aspect of the sample(s) prior to IsleChem LLC taking possession of the sample(s) and the influence it may have on the results.
- Unless notified in writing to return the samples covered by this report IsleChem LLC will store what remains of the sample(s), if anything, for a period of 60 days before discarding, unless otherwise required by law. A shipping and handling fee will be charged for the return of any sample(s).
- Certain analytes may not be covered by the NYS DOH or NELAP fields of accreditation. Results for those analytes are generated by the cited method using QA/QC guidelines from IsleChem's Quality Control Manual, where applicable.

*The test results in this report meet all NELAP requirements for parameters that are within IsleChem's field of accreditation. Any exceptions to NELAP requirements are noted in the comments field.*



| Analyte Group / Method | Analyte                                   | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|-------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>             |           |         |       |         |           |
| <b>152-0325-11</b>     | Method Blank / Method Blank - Waste Water |           |         |       |         |           |
| Arsenic, Soluble       | BLK                                       |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                          |           | <0.005  | mg/L  | RVF     | 3/31/2010 |
| Chromium, Soluble      | BLK                                       |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                         |           | <0.01   | mg/L  | RVF     | 3/31/2010 |
| Lead, Soluble          | BLK                                       |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                             |           | <0.01   | mg/L  | RVF     | 3/31/2010 |

|                                                    |                                                                                                       |                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Moench Company<br>Organization Name                | Palmer Street Landfill Routine Parameter List<br>Project Name                                         | 7 Samples / 21 Bottles + 1 Trip Blank<br># of Samples / # of Bottles                              |
| 465 Palmer Street<br>Street Address                | CHARGE TO VISA CARD<br>Client PO / Release #                                                          | 10 day Turnaround<br>Turnaround / Date Results Needed                                             |
| Gowanda, NY 14070<br>City, State, ZIP              | 3-25-10<br>Date Sampled                                                                               | GROUNDWATER SAMPLES<br>MeChem Project #                                                           |
| Jeffrey Smith<br>Contact Person                    | Electronic reporting upon request<br>please provide e-mail below:<br>E-mail:<br>jxsmith@brownshoe.com | Are RUSH charges<br>authorized /<br>Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 716-532-2201 / 716-532-5518<br>Phone/Fax and Faxes | Matrx Comp Grab                                                                                       | Bottle Type / Preservative                                                                        |
| Sample ID                                          | Sample Location                                                                                       |                                                                                                   |

|        |                    |                 |               |              |              |   |   |  |  |                    |                                                    |
|--------|--------------------|-----------------|---------------|--------------|--------------|---|---|--|--|--------------------|----------------------------------------------------|
| 182370 | Site 9             | BS-3            | GW            | X            | X            |   |   |  |  | Filtered by Client | 250 ml Poly (HNO3)                                 |
| 182371 | 182372             | Site 9          | BS-3          | GW           | X            |   | X |  |  |                    | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182373 | Site 10            | MW-8D           | GW            | X            | X            |   |   |  |  | Filtered by Client | 250 ml Poly (HNO3)                                 |
| 182374 | 182375             | Site 10         | MW-8D         | GW           | X            |   | X |  |  |                    | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
|        | 182376             | Site 11         | MW-7D         | GW           | X            | X |   |  |  | Filtered by Client | 250 ml Poly (HNO3)                                 |
| 182377 | 182370             | Site 11         | MW-7D         | GW           | X            |   | X |  |  |                    | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182379 | Site 12            | Equip. BLNK     | GW            | X            | X            |   |   |  |  | Filtered by Client | 250 ml Poly (HNO3)                                 |
| 182380 | 182381             | Site 12         | Equip. BLNK   | GW           | X            |   | X |  |  |                    | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
|        | <del>Site 13</del> | <del>BS-3</del> | <del>GW</del> | <del>X</del> | <del>X</del> |   |   |  |  | Filtered by Client | <del>250 ml Poly (HNO3)</del>                      |
|        | <del>Site 13</del> | <del>BS-3</del> | <del>GW</del> | <del>X</del> |              | X |   |  |  |                    | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
|        | <del>Site 14</del> | <del>BS-3</del> | <del>GW</del> | <del>X</del> | X            |   |   |  |  | Filtered by Client | 250 ml Poly (HNO3)                                 |
|        | <del>Site 14</del> | <del>BS-3</del> | <del>GW</del> | <del>X</del> |              |   |   |  |  |                    | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182382 | Trip Blank         |                 | DI Water      |              |              |   | X |  |  |                    | 40 ml Vial (HCL) - Zero Headspace                  |

\*Note: A Low Detection Limit for Arsenic is required at .005 mg/L / Soluble Metals will be filtered in the field

|                             |                 |              |                                |                 |              |                                                                                                |
|-----------------------------|-----------------|--------------|--------------------------------|-----------------|--------------|------------------------------------------------------------------------------------------------|
| Sampled By<br>J. Smith      | Date<br>3/25/10 | Time<br>1400 | Received by<br>[Signature]     | Date<br>3/26/10 | Time<br>0930 | IsleChem, LLC<br>2801 Long Road<br>Grand Island, NY 14072<br>716-773-8401<br>Fax: 716-773-8517 |
| Relinquished by<br>J. Smith | Date<br>3/26/10 | Time<br>700  | Received by lab<br>[Signature] | Date<br>3/26/10 | Time<br>0930 |                                                                                                |

by relinquishing these sample to IsleChem, LLC. you are accepting the current IsleChem, LLC terms and conditions for the sale of services

Chain of Custody

| Analyte Group / Method  | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>             |           |         |       |         |          |
| <b>152-0325-11</b>      | Method Blank / Method Blank - Waste Water |           |         |       |         |          |
| Volatiles - Moench (37) | BLK                                       |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2,2-Tetrachloroethane                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1,2-Trichloroethane                     |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethane                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethene                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloroethane                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | 1,2-Dichloropropane                       |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)           |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether                  |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Hexanone                                |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | 4-Methyl-2-Pentanone                      |           | <10     | ug/L  | TWS     | 4/8/2010 |
|                         | Acetone                                   |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                 | Benzene                                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromodichloromethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromoform                                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                         | Bromomethane                              |           | <5      | ug/L  | TWS     | 4/8/2010 |



| Analyte Group / Method | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>             |           |         |       |         |          |
| 152-0325-11            | Method Blank / Method Blank - Waste Water |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                          |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chlorobenzene                             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroethane                              |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloroform                                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Chloromethane                             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene                    |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Dibromochloromethane                      |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Ethyl benzene                             |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | m,p-Xylene                                |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Methylene chloride                        |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | o-Xylene                                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Styrene                                   |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                         |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                        | Toluene                                   |           | <5      | ug/L  | TWS     | 4/8/2010 |



| Analyte Group / Method                | Analyte                                   | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|-------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>             |           |         |       |         |          |
| <b>152-0325-11</b>                    | Method Blank / Method Blank - Waste Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                  |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                       | trans-1,3-Dichloropropene                 |           | <5      | ug/L  | TWS     | 4/8/2010 |
|                                       | Trichloroethene                           |           | <5      | ug/L  | TWS     | 4/8/2010 |
| EPA 8260B                             | Vinyl acetate                             |           | <10     | ug/L  | TWS     | 4/8/2010 |
| EPA 624                               | Vinyl chloride                            |           | <5      | ug/L  | TWS     | 4/8/2010 |
| Volatiles QC - 624 Internal Standards |                                           |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                   |           | 97.7    | %     | TWS     | 4/8/2010 |
|                                       | 1,4-Difluorobenzene                       |           | 89.2    | %     | TWS     | 4/8/2010 |
|                                       | Chlorobenzene-d5                          |           | 92.0    | %     | TWS     | 4/8/2010 |
|                                       | Pentafluorobenzene                        |           | 89.7    | %     | TWS     | 4/8/2010 |
| Volatiles QC - 624 Surrogates         |                                           |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                        |           | 90.7    | %     | TWS     | 4/8/2010 |
|                                       | Dibromofluoromethane                      |           | 99.3    | %     | TWS     | 4/8/2010 |
|                                       | Toluene-d8                                |           | 93.1    | %     | TWS     | 4/8/2010 |
| end of Lab ID number 110950           |                                           |           |         |       |         |          |



| Analyte Group / Method | Analyte                                               | Vessel ID | Results | Units | Analyst | Date      |
|------------------------|-------------------------------------------------------|-----------|---------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>                         |           |         |       |         |           |
| <b>152-0325-12</b>     | Lab Control Sample / Lab Control Sample - Waste Water |           |         |       |         |           |
| Arsenic, Soluble       | LCS                                                   |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                                      |           | 100     | %     | RVF     | 3/31/2010 |
| Chromium, Soluble      | LCS                                                   |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                                     |           | 99.4    | %     | RVF     | 3/31/2010 |
| Lead, Soluble          | LCS                                                   |           |         |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                                         |           | 97.0    | %     | RVF     | 3/31/2010 |



| Analyte Group / Method  | Analyte                                               | Vessel ID | Results | Units | Analyst | Date     |
|-------------------------|-------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>        | <b>Location / Description</b>                         |           |         |       |         |          |
| <b>152-0325-12</b>      | Lab Control Sample / Lab Control Sample - Waste Water |           |         |       |         |          |
| Volatiles - Moench (37) | LCS                                                   |           |         |       |         |          |
| EPA 624                 | 1,1,1-Trichloroethane                                 |           | 102     | %     | TWS     | 4/8/2010 |
|                         | 1,1,2,2-Tetrachloroethane                             |           | 119     | %     | TWS     | 4/8/2010 |
|                         | 1,1,2-Trichloroethane                                 |           | 115     | %     | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethane                                    |           | 97.3    | %     | TWS     | 4/8/2010 |
|                         | 1,1-Dichloroethene                                    |           | 93.6    | %     | TWS     | 4/8/2010 |
|                         | 1,2-Dichloroethane                                    |           | 111     | %     | TWS     | 4/8/2010 |
|                         | 1,2-Dichloropropane                                   |           | 104     | %     | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Butanone (Methylethyl ketone)                       |           | 124     | %     | TWS     | 4/8/2010 |
| EPA 624                 | 2-Chloroethylvinyl ether                              |           | 96.0    | %     | TWS     | 4/8/2010 |
| EPA 8260B               | 2-Hexanone                                            |           | 129     | %     | TWS     | 4/8/2010 |
|                         | 4-Methyl-2-Pentanone                                  |           | 130     | %     | TWS     | 4/8/2010 |
|                         | Acetone                                               |           | 111     | %     | TWS     | 4/8/2010 |
| EPA 624                 | Benzene                                               |           | 102     | %     | TWS     | 4/8/2010 |
|                         | Bromodichloromethane                                  |           | 111     | %     | TWS     | 4/8/2010 |
|                         | Bromoform                                             |           | 112     | %     | TWS     | 4/8/2010 |
|                         | Bromomethane                                          |           | 105     | %     | TWS     | 4/8/2010 |



| Analyte Group / Method | Analyte                                                      | Vessel ID | Results | Units | Analyst | Date     |
|------------------------|--------------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>       | <b>Location / Description</b>                                |           |         |       |         |          |
| <b>152-0325-12</b>     | <b>Lab Control Sample / Lab Control Sample - Waste Water</b> |           |         |       |         |          |
| EPA 8260B              | Carbon Disulfide                                             |           | 88.7    | %     | TWS     | 4/8/2010 |
| EPA 624                | Carbon tetrachloride                                         |           | 102     | %     | TWS     | 4/8/2010 |
|                        | Chlorobenzene                                                |           | 101     | %     | TWS     | 4/8/2010 |
|                        | Chloroethane                                                 |           | 104     | %     | TWS     | 4/8/2010 |
|                        | Chloroform                                                   |           | 101     | %     | TWS     | 4/8/2010 |
|                        | Chloromethane                                                |           | 108     | %     | TWS     | 4/8/2010 |
|                        | cis-1,2-Dichloroethene                                       |           | 99.8    | %     | TWS     | 4/8/2010 |
|                        | cis-1,3-Dichloropropene                                      |           | 111     | %     | TWS     | 4/8/2010 |
|                        | Dibromochloromethane                                         |           | 114     | %     | TWS     | 4/8/2010 |
|                        | Ethyl benzene                                                |           | 101     | %     | TWS     | 4/8/2010 |
|                        | m,p-Xylene                                                   |           | 100     | %     | TWS     | 4/8/2010 |
|                        | Methylene chloride                                           |           | 97.2    | %     | TWS     | 4/8/2010 |
|                        | o-Xylene                                                     |           | 101     | %     | TWS     | 4/8/2010 |
|                        | Styrene                                                      |           | 107     | %     | TWS     | 4/8/2010 |
|                        | Tetrachloroethene                                            |           | 104     | %     | TWS     | 4/8/2010 |
|                        | Toluene                                                      |           | 99.6    | %     | TWS     | 4/8/2010 |



| Analyte Group / Method                | Analyte                                               | Vessel ID | Results | Units | Analyst | Date     |
|---------------------------------------|-------------------------------------------------------|-----------|---------|-------|---------|----------|
| <b>Sample ID</b>                      | <b>Location / Description</b>                         |           |         |       |         |          |
| <b>152-0325-12</b>                    | Lab Control Sample / Lab Control Sample - Waste Water |           |         |       |         |          |
| EPA 624                               | trans-1,2-Dichloroethene                              |           | 97.7    | %     | TWS     | 4/8/2010 |
|                                       | trans-1,3-Dichloropropene                             |           | 117     | %     | TWS     | 4/8/2010 |
|                                       | Trichloroethene                                       |           | 100     | %     | TWS     | 4/8/2010 |
|                                       | Vinyl chloride                                        |           | 105     | %     | TWS     | 4/8/2010 |
| Volatiles QC - 624 Internal Standards |                                                       |           |         |       |         |          |
| EPA 624                               | 1,4-Dichlorobenzene-d14                               |           | 89.2    | %     | TWS     | 4/8/2010 |
|                                       | 1,4-Difluorobenzene                                   |           | 83.5    | %     | TWS     | 4/8/2010 |
|                                       | Chlorobenzene-d5                                      |           | 86.2    | %     | TWS     | 4/8/2010 |
|                                       | Pentafluorobenzene                                    |           | 84.2    | %     | TWS     | 4/8/2010 |
| Volatiles QC - 624 Surrogates         |                                                       |           |         |       |         |          |
| EPA 624                               | Bromofluorobenzene                                    |           | 94.4    | %     | TWS     | 4/8/2010 |
|                                       | Dibromofluoromethane                                  |           | 99.8    | %     | TWS     | 4/8/2010 |
|                                       | Toluene-d8                                            |           | 97.6    | %     | TWS     | 4/8/2010 |
| end of Lab ID number 110951           |                                                       |           |         |       |         |          |

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26

| Analyte Group / Method | Analyte                                          | Vessel ID | Results     | Units | Analyst | Date      |
|------------------------|--------------------------------------------------|-----------|-------------|-------|---------|-----------|
| <b>Sample ID</b>       | <b>Location / Description</b>                    |           |             |       |         |           |
| <b>152-0325-13</b>     | <b>Matrix Spike / Matrix Spike - Waste Water</b> |           |             |       |         |           |
| Arsenic, Soluble       |                                                  | MS        |             |       |         |           |
| EPA 200.7 Rev 4.4      | Arsenic, Soluble                                 |           | <b>102</b>  | %     | RVF     | 3/31/2010 |
| Chromium, Soluble      |                                                  | MS        |             |       |         |           |
| EPA 200.7 Rev 4.4      | Chromium, Soluble                                |           | <b>90.3</b> | %     | RVF     | 3/31/2010 |
| Lead, Soluble          |                                                  | MS        |             |       |         |           |
| EPA 200.7 Rev 4.4      | Lead, Soluble                                    |           | <b>89.9</b> | %     | RVF     | 3/31/2010 |

end of Lab ID number 111929

**General Disclaimer**

- The test results are submitted pursuant to IsleChem LLC's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted.
- This report is issued for the benefit of and may be relied upon by the client named above. The client bears full responsibility for deciding the level of testing for sample submitted to IsleChem LLC.
- These results pertain only to the items tested.
- This report shall not be reproduced except in full.
- If the sample(s) represented by these test results were not collected by IsleChem LLC then the test results are limited to the reported values determine by the analytical testing process. IsleChem LLC makes no representation regarding the sample's collection technique, condition, volume, homogeneity or any other aspect of the sample(s) prior to IsleChem LLC taking possession of the sample(s) and the influence it may have on the results.
- Unless notified in writing to return the samples covered by this report IsleChem LLC will store what remains of the sample(s), if anything, for a period of 60 days before discarding, unless otherwise required by law. A shipping and handling fee will be charged for the return of any sample(s).
- Certain analytes may not be covered by the NYS DOH or NELAP fields of accreditation. Results for those analytes are generated by the cited method using QA/QC guidelines from IsleChem's Quality Control Manual, where applicable.

The test results in this report meet all NELAP requirements for parameters that are within IsleChem's field of accreditation. Any exceptions to NELAP requirements are noted in the comments field.



| Moench Company<br>Organization Name                                                                               |                 | Palmer Street Landfill Routine Parameter List<br>Project Name                                     |               |                                  |                        | 7 Samples / 21 Bottles + 1 Trip Blank<br># of Samples / # of Bottles |                 |                                                                                                |  | Page 1 of 2                                                                                   |                                                    |
|-------------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------|---------------|----------------------------------|------------------------|----------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------|----------------------------------------------------|
| 465 Palmer Street<br>Street Address                                                                               |                 | CHARGE TO VISA CARD<br>Client PO / Release #                                                      |               |                                  |                        | 10 day Turnaround<br>Turnaround / Date Results Needed                |                 |                                                                                                |  | NY003152.<br>2011                                                                             |                                                    |
| Gowanda, NY 14070<br>City, State, ZIP                                                                             |                 | 3-24-10<br>Date Sampled                                                                           |               |                                  |                        | GROUNDWATER SAMPLING<br>IsleChem Project #                           |                 |                                                                                                |  |                                                                                               |                                                    |
| Jeffrey Smith<br>Contact Person                                                                                   |                 | Electronic reporting upon request<br>please provide e-mail below:<br>E-mail: jsmith@brownshoe.com |               |                                  |                        |                                                                      |                 |                                                                                                |  | Are RUSH charges authorized?<br>Yes <input type="radio"/> No <input checked="" type="radio"/> |                                                    |
| 716-532-2201 / 716-532-5518<br>Phone# and Fext#                                                                   |                 | Matrix Comp Grab                                                                                  |               |                                  |                        |                                                                      |                 |                                                                                                |  | Bottle Type / Preservative                                                                    |                                                    |
| Sample ID                                                                                                         | Sample Location | Matrix                                                                                            | Comp          | Grab                             | Soluble Cr, Pb and As* | TCL Volatiles                                                        |                 |                                                                                                |  |                                                                                               |                                                    |
| 182291                                                                                                            | Site 1 MW-6D    | GW                                                                                                |               | X                                | X                      |                                                                      |                 |                                                                                                |  |                                                                                               | Filtered by Client<br>250 ml Poly (HNO3)           |
| 182292                                                                                                            | Site 1 MW-6D    | GW                                                                                                |               | X                                |                        | X                                                                    |                 | 182293                                                                                         |  |                                                                                               | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182294                                                                                                            | Site 2 MW-6     | GW                                                                                                |               | X                                | X                      |                                                                      |                 |                                                                                                |  |                                                                                               | Filtered by Client<br>250 ml Poly (HNO3)           |
| 182295                                                                                                            | Site 2 MW-6     | GW                                                                                                |               | X                                |                        | X                                                                    |                 | 182296                                                                                         |  |                                                                                               | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182297                                                                                                            | Site 3 BS-1     | GW                                                                                                |               | X                                | X                      |                                                                      |                 |                                                                                                |  |                                                                                               | Filtered by Client<br>250 ml Poly (HNO3)           |
| 182298                                                                                                            | Site 3 BS-1     | GW                                                                                                |               | X                                |                        | X                                                                    |                 | 182299                                                                                         |  |                                                                                               | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182300                                                                                                            | Site 4 MW-4SR   | GW                                                                                                |               | X                                | X                      |                                                                      |                 |                                                                                                |  |                                                                                               | Filtered by Client<br>250 ml Poly (HNO3)           |
| 182301                                                                                                            | Site 4 MW-4SR   | GW                                                                                                |               | X                                |                        | X                                                                    |                 | 182302                                                                                         |  |                                                                                               | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182303                                                                                                            | Site 5 BS-2     | GW                                                                                                |               | X                                | X                      |                                                                      |                 |                                                                                                |  |                                                                                               | Filtered by Client<br>250 ml Poly (HNO3)           |
| 182304                                                                                                            | Site 5 BS-2     | GW                                                                                                |               | X                                |                        | X                                                                    |                 | 182305                                                                                         |  |                                                                                               | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182306                                                                                                            | Site 6 MW-4D    | GW                                                                                                |               | X                                | X                      |                                                                      |                 |                                                                                                |  |                                                                                               | Filtered by Client<br>250 ml Poly (HNO3)           |
| 182307                                                                                                            | Site 6 MW-4D    | GW                                                                                                |               | X                                |                        | X                                                                    |                 | 182308                                                                                         |  |                                                                                               | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| 182309                                                                                                            | Site 7 MW-3D    | GW                                                                                                |               | X                                | X                      |                                                                      |                 |                                                                                                |  |                                                                                               | Filtered by Client<br>250 ml Poly (HNO3)           |
| 182310                                                                                                            | Site 7 MW-3D    | GW                                                                                                |               | X                                |                        | X                                                                    |                 | 182311                                                                                         |  |                                                                                               | (2) - 40 ml Vial (HCL) 1 as backup, Zero Headspace |
| Trip Blank                                                                                                        |                 |                                                                                                   |               |                                  |                        |                                                                      |                 |                                                                                                |  | Trip Blank                                                                                    |                                                    |
| *Note: A Low Detection Limit for Arsenic is required at .005 mg/L / Soluble Metals will be filtered in the field. |                 |                                                                                                   |               |                                  |                        |                                                                      |                 |                                                                                                |  |                                                                                               |                                                    |
| Sampled By<br>Jeff Smith                                                                                          |                 | Date<br>3/24/10                                                                                   | Time<br>14:00 | Received by<br>Justin L. Smith   |                        | Date<br>3/25/10                                                      | Time<br>13:40   | IsleChem, LLC<br>2801 Long Road<br>Grand Island, NY 14072<br>716-773-8401<br>Fax: 716-773-8517 |  |                                                                                               |                                                    |
| Relinquished by<br>Jeff Smith                                                                                     |                 | Date<br>3/25/10                                                                                   | Time<br>7 AM  | Received by lab<br>Linda L. Lall |                        | Date<br>3/25/10                                                      | Time<br>2:20 PM |                                                                                                |  |                                                                                               |                                                    |

by relinquishing these sample to IsleChem, LLC you are accepting the current IsleChem, LLC terms and conditions for the sale of services

Chain of Custody

