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January 17, 2012
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Ms. Carolyn Daniels
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Georgia Environmental Protection Division
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Subject: Submittal of the Third Semi-Annual Progress Report to the VRP Program for HSI Site No. 10731 BWAY Corporation - Homerville, Georgia

Dear Carolyn:

This report is being submitted on behalf of BWAY Corporation (BWAY) for the referenced property. This is the Third Semi-Annual Progress Report for this site since it entered the Voluntary Remediation Program (VRP). This site was accepted in to the Voluntary Remediation Program by way of correspondence from the Georgia Environmental Protection Division (EPD) dated July 22, 2011. This report is being submitted in compliance with the deadlines set forth by the EPD. The content of this report describes the Voluntary Investigation and Remediation Plan implementation that has been performed since the last submittal to the EPD.

We look forward to your review of this report. Please contact us with any questions or comments you may have.

Sincerely,

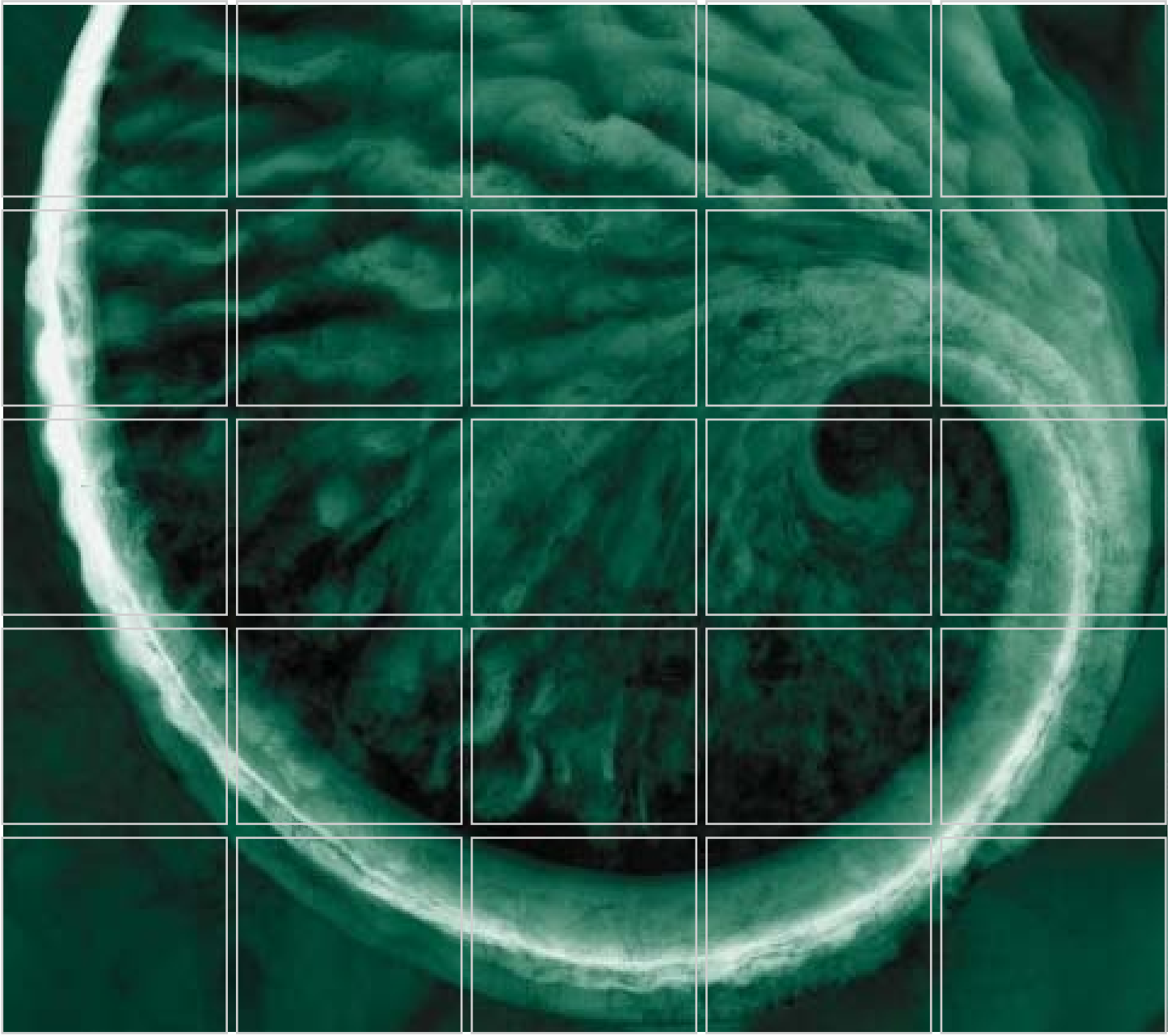
Shanna L. Thompson

Shanna L. Thompson, P.E.
Project Manager/GA PE No. PE031306

Jeffrey N. Bilkert

Jeffrey N. Bilkert
Principal

cc: Steve Bargeron, BWAY Corporation; Mark Miller, Cornerstone



Third Semi-Annual Progress Report

Submitted under Georgia's Voluntary Remediation Program (VRP) Act

BWAY Corporation,
Homerville, Georgia HSI Site No. 10731

January 17, 2013

Delivering sustainable solutions in a more competitive world

ERM

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GROUND WATER SCIENTIST STATEMENT

I certify that I am a qualified ground water scientist who has received a baccalaureate or post-graduate degree in the natural sciences or engineering, and have sufficient training and experience in ground water hydrology and related fields, as demonstrated by state registration and completion of accredited university courses, that enable me to make sound professional judgments regarding ground water monitoring and contaminant fate and transport.

I further certify that this report for Hazardous Site Inventory Site No. 10731 was prepared by me and appropriate qualified subordinates working under my direction.

A summary of the hours spent by the Professional Engineer is provided in Appendix A, in order to comply with Voluntary Remediation Plan Act.

Shanna Thompson

Shanna Thompson, P.E.
Georgia License No. PE031306

1-17-2013
Date

1.0 INTRODUCTION

This Third Semi-Annual Progress Report has been prepared for the BWAY Corporation Former Drum Site (the Site) located in Homerville, Georgia for submittal to Georgia's Voluntary Remediation Program (VRP) on behalf of BWAY Corporation (BWAY). This Site is listed in Georgia's Hazardous Site Inventory (HSI) as Site Number 10731. As of July 2012, the Site was considered to be a Class II Site which means further evaluation of the site must be completed before the Georgia Environmental Protection Division (EPD) can decide whether corrective action is needed. The Class II listing and definition are provided in documents posted on EPD's website (EPD, 2012). The Site was accepted into Georgia's VRP on July 22, 2011.

The purpose of this Progress Report is to document activities conducted since the previous Progress Report was submitted to the EPD on July 20, 2012. The remainder of this report is organized into the following sections to provide information concerning investigation and assessment activities performed in the past six month period:

- Section 2 – Ground Water Assessment,
- Section 3 –Conceptual Site Model,
- Section 4 –Recommendations, and
- Section 5 – References.

1.1. BACKGROUND

The Site is listed on Georgia's HSI as Site Number 10731. The Site is located on property that is a planted pine forest across US-84 from the main BWAY plant in Homerville. Specifically, the Site is situated northwest of the intersection of Charley Smith Road (also known as Woodlake Road) and Highway 84. A Site location map is shown on Figure 1.

The Site is located adjacent to the BWAY Homerville plant, which was constructed by the Standard Container Corporation (Standard)

in 1957. Standard's operations included the manufacture of insect sprayers and pie pans. The business eventually expanded into the manufacturing of metal pails, cans, and ammunition boxes. Brockway, Inc. acquired Standard in the early 1980s. Standard's name was changed to Brockway Standard, Inc. in 1985. Owens-Illinois acquired Brockway Standard, Inc. in 1988. A Chicago-based investor group acquired Brockway Standard, Inc. in 1989. The company name was changed to BWAY Corporation in 2000.

A former drum disposal area was discovered on the wooded property situated northwest of the intersection of Charlie Smith Road and Highway 84 in 2001. The former drum disposal area is located north of and adjacent to the BWAY Homerville plant. Following EPD notification, drum removal was conducted. Drums, drum remnants, waste materials, and soil were removed from this area in July and August 2003. Under the guidance of the Georgia Hazardous Site Response Act (HSRA), a Revised Compliance Status Report (RCSR) for this Site was submitted and approved by EPD in 2005 and a Corrective Action Plan (CAP) was approved the same year.

Ground water corrective action activities were performed at the Site following the approval of the CAP in July 2005. Corrective actions included two high vacuum extraction (HVE) events, injections for enhanced bioremediation, with well installations, sampling and ground water elevation gauging to monitor progress. The work summarized above was conducted when the Site was being regulated under the EPD's HSRA.

Georgia introduced the VRP in 2009, which allows for a regulated party to perform voluntary investigation, remediation, and calculation of risk based corrective action standards. A Voluntary Remediation Plan was submitted to the EPD in April 2010. The Site was approved for entry into the VRP on July 22, 2011.

This is the third semi-annual submittal to the EPD since this Site was accepted into the VRP program on July 22, 2011. This submittal is in compliance with the deadlines set forth at that time.

1.2. SITE DESCRIPTION

The Site is located in the northwest quadrant of the intersection of Charley Smith Road (a.k.a. Woodlake Road) and U.S. Highway 84. The VRP qualifying tax parcel consists of approximately 29.5 acres, which is vacant, wooded land. The other two contiguous parcels owned by BWAY are developed with structures, but are not part of the VRP-regulated Site. The main BWAY plant is located at 1601 Valdosta Highway, consists of 87 acres and multiple buildings. The main BWAY plant is also listed on the Georgia HSI. See Figure 1 for general Site topography. Other land use in proximity to the Site includes planted pine forests managed by others, a former wood treating site known as the Union Timbers site, and some light industrial and commercial areas.

Currently, 23 ground water monitoring wells are available for monitoring the elevation and chemistry of the ground water, as shown on Figure 2. The nine wells that have potential for use in calculation of the risk based corrective action standards were sampled during this reporting period. No well installation activities were conducted during this reporting period.

The locations of the wells are shown on Figure 2. Two wells, ERM-MW-7 and ERM-MW-14 were completed at depths of 52 feet and 35 feet below ground surface (BGS), respectively, for vertical delineation. The remaining wells have been completed to approximately 11 to 25 feet BGS to evaluate the horizontal extent of regulated substances in ground water. They are also used for ground water elevation monitoring and potentiometric surface mapping.

Soils at the Site are primarily sands ranging from fine to coarse-grained with some silt and clay content. The Site topography ranges from 175 to 180 feet above mean sea level (ft MSL). The soil conditions were found to be heterogeneous with intermittent sandy-clay and clay lenses observed at depths between 157 and 177 ft MSL. An additional sandy-clay lens (approximately 3 feet in thickness) was identified at approximately 50 feet below ground surface in monitoring well ERM-MW-7. A description of the subsurface soil is provided in Section 3.

2.0 *GROUND WATER ASSESSMENT*

The following ground water assessment work has been completed at the Site since the last submittal to EPD:

- Potentiometric surface mapping, and
- Ground water sampling at nine wells for analysis of volatile organic compounds (VOC).

Monitoring well locations are shown on Figure 2 and monitoring well construction details are provided in Table 1.

2.1. *POTENTIOMETRIC SURFACE*

Ground water levels were measured most recently on November 12, 2012. Ground water elevation data from November 12, 2012 are shown on Figure 3 and summarized in Table 2. These measurements were converted to elevations for the purpose of creating a potentiometric surface map, with the exception of the wells discussed below. Monitoring well ERM-MW-5 was inaccessible during gauging activities and a water level could not be collected from this location. Data from monitoring well MW-6R is considered an anomaly and was not contoured during this sampling event. The ground water elevation data for MW-6R is atypical relative to the surrounding wells and could be attributed to a field measurement error. Elevation data associated with the deep wells were not contoured as they are considered to be associated with a separate aquifer system.

The direction of ground water movement at the Site has historically trended to the west with local variations to the north and northwest. Historical potentiometric surface maps are provided in Appendix B. The most recently mapped potentiometric surface (Figure 3) shows ground water flow to the west-northwest in the western half of the Site which is consistent with the historical potentiometric surface maps. A depression in the potentiometric surface was observed at ERM-MW-2 during the November 2012 monitoring event. This depression has not been observed during past sampling events, and ERM will continue to monitor the ground water elevations in this area to determine if this is an anomaly.

Historically, ERM-MW-13 has not been used in the development of the potentiometric maps for the Site due to its high ground water elevation relative to nearby wells. It was assumed the apparent high ground water elevation at this well was due to a measurement error. However, the fact that these results have been repeated the last three monitoring events suggests that historical data for ERM-MW-13 has been accurate. The mounding of ground water observed in this area may be a result of preferential ground water recharge occurring within the area that was excavated when the drum disposal area was remediated in 2003.

2.2. *GROUND WATER SAMPLING METHODS*

Nine monitoring wells (ERM-MW-3, ERM-MW-9, ERM-MW-15, ERM-MW-16, ERM-MW-17, ERM-MW-18, ERM-MW-19, ERM-MW-20 and ERM-MW-21) were sampled for various VOCs in November 2012. The ground water samples were analyzed for the following compounds, which are the Site compounds of concern: Chloroethane, 1,1-Dichloroethene, Ethylbenzene, Isopropylbenzene, Methyl Ethyl Ketone (2-Butanone), Naphthalene, Toluene, 1,1,1-Trichloroethane, Vinyl Chloride, and Xylenes. The delineation concentration for each of these compounds is listed in Table 3.

Ground water samples were collected utilizing low flow/low volume techniques in accordance with the SESDPROC-301-R2 sampling protocol. During the purging period the temperature, specific conductance, pH, and turbidity were measured in the field as the ground water samples were collected. Field parameter measurements collected during the ground water sampling event are shown on the ground water sampling log forms located in Appendix C.

The turbidity at ERM-MW-9 and ERM-MW-21 did not decrease below 10 NTUs, so the purging of these wells continued until turbidity stabilized within 10% for three consecutive readings.

The ground water samples and associated trip blanks were analyzed for VOCs by EPA Method 8260B.

2.3. *GROUND WATER ANALYTICAL RESULTS*

Seven VOCs were detected in ground water during the November 2012 sampling event. A copy of the analytical data reports are provided in Appendix D. VOC concentrations exceeded detection limits in each of the nine monitoring wells sampled, with delineation criteria exceedences at ERM-MW-3, ERM-MW-9, ERM-MW-16, ERM-MW-17, ERM-MW-18, ERM-MW-19, ERM-MW-20 and ERM-MW-21.

A summary of the VOCs that were detected is shown in Table 4. The highlighted values in Table 4 are the chemical concentrations that exceed the delineation criteria.

The seven VOCs that were detected in ground water during the November 2012 sampling event are:

- Toluene was detected, but was below its delineation concentration in one well (ERM-MW-20).
- Ethylbenzene was detected, but was below its delineation concentration in two wells (ERM-MW-3 and ERM-MW-20).
- Xylene was detected, but was below its delineation concentration in one well (ERM-MW-3).
- Chloroethane was detected above its delineation concentration in one well (ERM-MW-18).
- Isopropylbenzene was detected above its delineation concentration in one well (ERM-MW-3).
- 1,1-Dichlorethene was detected in eight wells (ERM-MW-9, ERM-MW-15, ERM-MW-16, ERM-MW-17, ERM-MW-18, ERM-MW-19, ERM-MW-20, and ERM-MW-21). It is above its delineation concentration at six of those wells (ERM-MW-9, ERM-MW-17, ERM-MW-18, ERM-MW-19, ERM-MW-20 and ERM-MW-21).
- Vinyl Chloride was detected above its delineation concentration in four wells (ERM-MW-9, ERM-MW-16, ERM-MW-17 and ERM-MW-18).

Ground water VOC results from November 2012 are shown on Figure 4. The distribution of VOC concentrations in ground water relative to the established delineation concentrations is discussed in the following section.

2.4. *GROUND WATER DELINEATION*

Figure 4 shows the delineation boundary for regulated compounds detected on Site.

Based on the November 2012 sampling data, delineation criteria are exceeded at the following monitoring wells: ERM-MW-3, ERM-MW-9, ERM-MW-16, ERM-MW-17, ERM-MW-18, ERM-MW-19, ERM-MW-20, and ERM-MW-21. Horizontal delineation has been achieved to the northeast, east, and south using monitoring wells ERM-MW-7, ERM-MW-10, ERM-MW-12, ERM-MW-15, ERM-MW-22, and MW-23.

Two wells, ERM-MW-3 and ERM-MW-21, that did not have chemical concentrations that exceeded delineation criteria in May 2012, did have concentrations above delineation criteria during November 2012. Regulated compound concentrations at ERM-MW-3 have historically exceeded delineation criteria and were shown to have decreased during the May 2012 sampling event to concentrations below delineation criteria. However, during the November 2012 sampling event, compound concentrations have returned above delineation criteria. Table 4 shows that although regulated compounds were not detected at ERM-MW-21 during the previous two sampling events, the concentrations of 1,1-dichloroethene was found to exceed the delineation criteria during the November 2012 event.

The analytical results for ERM-MW-20 and ERM-MW-21, two wells on the northwestern and western unbounded edge of the plume are discussed further below. The delineation significance of these results is also discussed below:

- ERM-MW-20: This well has been sampled three times since its installation in 2011, and each of the three data sets have exceeded delineation criteria.

The presence of regulated compounds in this well above delineation criteria indicates that the northwestern edge of the ground water plume cannot be delineated within the boundaries of the VRP tax parcel. In the previous Semi-Annual Report, ERM recommended that an additional delineation well be installed to the northwest of ERM-MW-20 to demonstrate horizontal delineation. This recommendation stands, and access agreement negotiations are in process.

- ERM-MW-21: The Site contaminants of concern were below delineation criteria for ERM-MW-21 in March 2012 and May 2012; however, 1,1-dichloroethene was the detected above delineation criteria during this reporting period.

  Based on these results, ERM-MW-21 no longer provides delineation of the western boundary of the ground water plume. Recommendations for handling this delineation issue are provided in Section 4 of this report.

The wells exceeding delineation criteria will continue to be monitored as described in the Recommendations section of this report (Section 4).

3.0 CONCEPTUAL SITE MODEL

Since the last submittal to EPD, the following activities related to the conceptual Site model (CSM), have occurred:

- A topographic map of the site was generated using the land surface elevation at each monitoring well location.
- The cross-section maps were redrawn and data boxes were included on the cross-sections.

These activities were used to update the CSM as discussed below.

3.1. TOPOGRAPHY

ERM generated an estimated topographic contour map of the Site using surveyed ground surface elevations at each monitoring well location (see Figure 5). While the Site is generally flat, the topography does appear to vary from 175 to 180 ft MSL. Overall, the Site is characterized by a topographic high that is surrounded roughly by wells ERM-MW-11, 9, 16, 17, and 12. On a micro-scale, the ground surface at the Site slopes somewhat radially from this high in all directions. An area that is a topographic low is located in proximity to wells ERM-MW-1, 13, and 14.

As discussed in Section 2.1 and shown on the historical potentiometric maps provided in Appendix B, the general direction of ground water movement at the Site is generally west-northwest, which is towards wetlands areas (see Figure 1). At any given location on the Site, it is expected that small variations in ground surface topography can greatly affect the direction of ground water movement. Possible ground water recharge areas (e.g., the pond located in the central area of the Site and other low-lying areas) can also affect the direction of ground water movement on a Site location-specific level.

3.2. *SITE GEOLOGY*

Geologic logs were used to update geologic cross-sections that pass through the source area (see Figures 6, 7, and 8). Soils at the Site are primarily sands ranging from fine to coarse-grained with some silt and clay content. The soil conditions, however, are heterogeneous with intermittent sandy-clay and clay lenses observed at depths between 157 and 177 ft MSL. An additional sandy-clay lens (approximately 3 feet in thickness) was identified at approximately 50 feet below ground surface in monitoring well ERM-MW-7. The deeper clay lens, which was only observed at well ERM-MW-7 at 40 feet BGS, was also observed at similar approximate elevations in boring logs from the Union Timber Corporation located approximately 3,000 ft to the southeast of the Site. The clay layer observed at ERM-MW-7 may be a laterally extensive semi-confining to confining unit, if it originated in the same depositional environment as the clay layer seen at the Union Timber Corporation Site (RMA, 2002).

The intermittent clay layers observed at the Site have a lower permeability and can impede the infiltration of ground water movement vertically and horizontally. The irregular occurrence of the clay layers in the subsurface may affect the rate of aquifer recharge as well as influence the rise of the water table making it less uniform throughout the Site. Therefore, due to the heterogeneous nature of the subsurface, the ground water flow direction may have some variation over time.

As discussed in Section 2.1, mounding of the water table has consistently been observed in the vicinity of ERM-MW-13. As discussed previously, this may be the result of preferential recharge caused by the sandy material that was used as backfill following excavation of the drum disposal area. The higher permeability of this sandy material would be expected to increase the ground water recharge in this area due to increased surface water infiltration. This well is also located near a topographic low (see Figure 5) which may serve as a localized ground water recharge area.

4.0 RECOMMENDATIONS

BWAY will continue with horizontal delineation, sampling, and reporting efforts to meet the objectives set in Georgia's VRP Act. Details are discussed below.

4.1. HORIZONTAL DELINEATION

Additional horizontal delineation activities are recommended for the northwest and western boundaries of the ground water plume.

Since horizontal ground water delineation has not been achieved to the northwest, the installation of an additional delineation monitoring well is recommended (see Figure 2). One monitoring well (ERM-MW-24) will be installed on the adjacent property to the northwest of the Site in an effort to delineate the northwest boundary of the ground water plume. BWAY is in the process of establishing an access agreement with the adjoining property owner to the northwest.

The presence of regulated compounds in the western-most well (ERM-MW-21) above delineation criteria indicates that additional activities are warranted in this area. The sampling logs for this well indicate that high turbidity has been a continuing issue since installation. This is the only well on the Site with routine turbidity issues, and ERM is concerned that the well has not been fully developed. ERM-MW-21 will be redeveloped and will continue to be monitored. If, during the following sampling event, regulated compounds are not detected at ERM-MW-21 in exceedence of delineation criteria, ERM-MW-21 will be identified as a delineation well. In the event that additional sampling does not show this location is below the delineation criteria, then an additional delineation well may be installed to the west of ERM-MW-21 to demonstrate complete horizontal delineation to the west.

4.2. SAMPLING

Ground water sampling for VOCs will be performed following development of the new monitoring well. Existing wells with concentrations in exceedence of the delineation criteria will also be sampled. The ground water samples will be analyzed for Site

specific VOCs including chloroethane, 1,1-dichloroethene, ethylbenzene, isopropylbenzene, methyl ethyl ketone (2-butanone), naphthalene, toluene, 1,1,1-trichloroethane, vinyl chloride, and xylenes via EPA Method 8260. The appropriate duplicate samples will also be collected. A full round of ground water level measurements will be collected prior to the sampling event.

4.3. REPORTING

BWAY will continue with semi-annual reporting of activities, as described in the VRP acceptance letter dated July 22, 2011. The next semi-annual report will be submitted to EPD in July 2013.

5.0 REFERENCES

RMA, 2002, "*Amended Characterization Work Plan for Union Timber Corporation, Homerville, Georgia, EPA I.D. No. GAD094075553"* July 2002.

EPD, 2012, Georgia Department of Natural Resources Environmental Protection Division, "*Hazardous Site Inventory*" July 2, 2012.

USEPA Region 4, 2011, Science and Ecosystem Support Division, "*Groundwater Sampling Operating Procedure (SESDPROC-301-R2)"* October 2011.

Tables

Table 1
Ground Water Monitoring Well Construction Details

BWAY Drum Disposal Site, HSI Site No. 10731
Homerville, Georgia

Well ID	Date Installed	Well Diameter (inches)	Total Depth (feet bgs)	Screen Length (feet)	Top Screen (feet bgs)	Bottom Screen (feet bgs)	Northing	Easting	Reference Point Elevation (feet)
ERM-MW-1	09/15/03	2	22.0	10	10.0	20.0	375885.9	465916.2	182.14
ERM-MW-2	09/15/03	2	22.0	10	10.0	20.0	375790.9	465698.3	182.51
ERM-MW-3	09/15/03	2	22.0	10	10.0	20.0	376188.2	465875.9	182.98
ERM-MW-4	12/14/04	2	22.0	10	10.0	20.0	376396.7	465821.5	183.69
MW-5	04/14/93	4	17.0	15	2.0	17.0	375476.0	466115.2	179.49
MW-6R	11/08/10	2	17.0	15	1.8	16.8	375852.2	466208.8	179.91
ERM-MW-7	02/21/06	2	52.4	10	42.1	52.1	376102.8	465879.1	182.66
ERM-MW-8	06/14/07	2	21.0	10	10.0	20.0	376202.0	466063.9	182.41
ERM-MW-9	11/09/10	2	20.5	10	10.0	20.0	376152.8	465783.1	182.92
ERM-MW-10	11/09/10	2	20.5	10	9.3	19.3	376194.9	456907.9	182.85
ERM-MW-11	11/09/10	2	12.0	10	1.8	11.8	376097.4	465873.3	182.75
ERM-MW-12	11/09/10	2	20.0	10	9.8	19.8	375852.5	465670.6	182.06
ERM-MW-13	11/08/10	2	13.0	10	1.8	11.8	375882.2	465914.4	182.21
ERM-MW-14	11/08/10	2	35.0	10	24.8	34.8	375878.5	465913.0	181.87
ERM-MW-15	05/10/11	2	19.0	10	8.0	18.0	376236.7	465679.8	182.22
ERM-MW-16	05/10/11	2	20.5	10	10.0	20.0	376116.1	465630.3	182.69
ERM-MW-17	10/26/11	2	20.0	10	9.70	19.70	376107.5	465422.1	182.84
ERM-MW-18	10/26/11	2	20.0	10	9.70	19.70	375939.3	465514.0	182.91
ERM-MW-19	10/26/11	2	20.9	10	9.55	19.55	375820.2	465104.1	181.01
MW-23	07/29/02	2	21.0	10	11.0	21.0	375416.1	465628.7	182.34
ERM-MW-20	03/26/12	2	22.0	10	10.0	20.0	376355.5	465074.2	181.52
ERM-MW-21	03/28/12	2	22.0	10	10.0	20.0	375723.3	464738.7	178.40
ERM-MW-22	03/27/12	2	22.0	10	10.0	20.0	375340.7	465110.8	179.63

Table 2
Ground Water Elevation Data

BWAY Drum Disposal Site, HSI Site No. 10731
Homerville, Georgia

Date	Well ID	Reference Point Elevation (feet)	Depth to Water Table (feet)	Water Table Elevation (feet)
8/17/2005	MW-5	179.49	2.64	176.85
	MW-6	183.05	5.84	177.21
	MW-23	182.34	6.51	175.83
	ERM-MW-1	182.14	4.9	177.24
	ERM-MW-2	182.51	5.71	176.80
	ERM-MW-3	182.98	6.00	176.98
	ERM-MW-4	183.69	7.04	176.65
	ERM-MW-7	182.66	NM	-
11/4/2005	MW-5	179.49	5.88	173.61
	MW-6	183.05	9.43	173.62
	MW-23	182.34	9.09	173.25
	ERM-MW-1	182.14	8.51	173.63
	ERM-MW-2	182.51	9.37	173.14
	ERM-MW-3	182.98	9.51	173.47
	ERM-MW-4	183.69	10.46	173.23
	ERM-MW-7	182.66	NM	-
8/31/2006	MW-5	179.49	NM	-
	MW-6	183.05	11.71	171.34
	MW-23	182.34	10.18	172.16
	ERM-MW-1	182.14	10.71	171.43
	ERM-MW-2	182.51	11.11	171.40
	ERM-MW-3	182.98	12.09	170.89
	ERM-MW-4	183.69	13.05	170.64
	ERM-MW-7	182.66	24.94	157.72
2/26/2007	MW-5	179.49	4.26	175.23
	MW-6	183.05	7.54	175.51
	MW-23	182.34	7.50	174.84
	ERM-MW-1	182.14	6.64	175.50
	ERM-MW-2	182.51	7.59	174.92
	ERM-MW-3	182.98	7.51	175.47
	ERM-MW-4	183.69	8.42	175.27
	ERM-MW-7	182.66	24.74	157.92
6/14/2007	MW-5	179.49	6.92	172.57
	MW-6	183.05	10.36	172.69
	MW-23	182.34	10.16	172.18
	ERM-MW-1	182.14	9.57	172.57
	ERM-MW-2	182.51	10.52	171.99
	ERM-MW-3	182.98	10.62	172.36
	ERM-MW-4	183.69	11.78	171.91
	ERM-MW-7	182.66	26.51	156.15
	ERM-MW-8	UNK	10.92	-

Date	Well ID	Reference Point Elevation (feet)	Depth to Water Table (feet)	Water Table Elevation (feet)
9/17/2007	MW-5	179.49	NM	-
	MW-6	183.05	9.86	173.19
	MW-23	182.34	9.24	173.10
	ERM-MW-1	182.14	9.86	172.28
	ERM-MW-2	182.51	9.66	172.85
	ERM-MW-3	182.98	9.98	173.00
	ERM-MW-4	183.69	10.75	172.94
	ERM-MW-7	182.66	25.6	157.06
	ERM-MW-8	UNK	9.24	-
12/17/2007	MW-5	179.49	NM	-
	MW-6	183.05	9.81	173.24
	MW-23	182.34	9.19	173.15
	ERM-MW-1	182.14	8.92	173.22
	ERM-MW-2	182.51	9.70	172.81
	ERM-MW-3	182.98	9.93	173.05
	ERM-MW-4	183.69	10.69	173.00
	ERM-MW-7	182.66	25.26	157.40
	ERM-MW-8	182.41	9.07	173.34
3/3/2008	MW-5	179.49	3.17	176.32
	MW-6	183.05	6.40	176.65
	MW-23	182.34	6.90	175.44
	ERM-MW-1	182.14	5.50	176.64
	ERM-MW-2	182.51	6.35	176.16
	ERM-MW-3	182.98	6.50	176.48
	ERM-MW-4	183.69	7.40	176.29
	ERM-MW-7	182.66	NM	-
	ERM-MW-8	182.41	5.78	176.63
9/29/2008	MW-5	179.49	5.47	174.02
	MW-6	183.05	8.86	174.19
	MW-23	182.34	8.78	173.56
	ERM-MW-1	182.14	8.02	174.12
	ERM-MW-2	182.51	9.02	173.49
	ERM-MW-3	182.98	9.06	173.92
	ERM-MW-4	183.69	10.07	173.62
	ERM-MW-7	182.66	25.99	156.67
	ERM-MW-8	182.41	8.27	174.14
12/9/2008	MW-5	179.49	4.01	175.48
	MW-6	183.05	7.23	175.82
	MW-23	182.34	7.59	174.75
	ERM-MW-1	182.14	6.39	175.75
	ERM-MW-2	182.51	7.37	175.14
	ERM-MW-3	182.98	7.25	175.73
	ERM-MW-4	183.69	8.19	175.50
	ERM-MW-7	182.66	24.86	157.80
	ERM-MW-8	182.41	6.52	175.89
3/11/2009	MW-5	179.49	3.69	175.80
	MW-6	183.05	6.91	176.14
	MW-23	182.34	7.34	175.00
	ERM-MW-1	182.14	6.08	176.06
	ERM-MW-2	182.51	7.04	175.47
	ERM-MW-3	182.98	6.99	175.99
	ERM-MW-4	183.69	7.96	175.73
	ERM-MW-7	182.66	24.28	158.38
	ERM-MW-8	182.41	6.27	176.14

Date	Well ID	Reference Point Elevation (feet)	Depth to Water Table (feet)	Water Table Elevation (feet)
6/30/2009	MW-5	179.49	4.92	174.57
	MW-6	183.05	8.87	174.18
	MW-23	182.34	6.07	176.27
	ERM-MW-1	182.14	7.93	174.21
	ERM-MW-2	182.51	6.01	176.50
	ERM-MW-3	182.98	9.08	173.90
	ERM-MW-4	183.69	10.12	173.57
	ERM-MW-7	182.66	25.07	157.59
	ERM-MW-8	182.41	7.76	174.65
9/28/2009	MW-5	179.49	6.42	173.07
	MW-6	183.05	10.03	173.02
	MW-23	182.34	9.26	173.08
	ERM-MW-1	182.14	8.95	173.19
	ERM-MW-2	182.51	9.62	172.89
	ERM-MW-3	182.98	9.91	173.07
	ERM-MW-4	183.69	10.64	173.05
	ERM-MW-7	182.66	24.48	158.18
	ERM-MW-8	182.41	8.26	174.15
12/9/2009	MW-5	179.49	NR	NR
	MW-6	183.05	NR	NR
	MW-23	182.34	NR	NR
	ERM-MW-1	182.14	NR	NR
	ERM-MW-2	182.51	NR	NR
	ERM-MW-3	182.98	7.85	175.13
	ERM-MW-4	183.69	8.70	174.99
	ERM-MW-7	182.66	NR	NR
	ERM-MW-8	182.41	NR	NR
3/15/2010	MW-5	179.49	2.55	176.94
	MW-6	183.05	Damaged	Damaged
	MW-23	182.34	6.46	175.88
	ERM-MW-1	182.14	4.86	177.28
	ERM-MW-2	182.51	5.73	176.78
	ERM-MW-3	182.98	6.02	176.96
	ERM-MW-4	183.69	7.10	176.59
	ERM-MW-7	182.66	23.15	159.51
	ERM-MW-8	182.41	5.41	177.00
11/30/2010	ERM-MW-1	182.14	12.20	169.94
	ERM-MW-2	182.51	12.04	170.47
	ERM-MW-3	182.98	13.31	169.67
	ERM-MW-4	183.69	14.21	169.48
	MW-5	179.49	9.31	170.18
	MW-6R	179.91	10.04	169.87
	ERM-MW-7	182.66	25.58	157.08
	ERM-MW-8	182.41	12.70	169.71
	ERM-MW-9	182.92	13.50	169.42
	ERM-MW-10	182.85	13.23	169.62
	ERM-MW-11	182.75	13.07	169.68
	ERM-MW-12	182.06	12.26	169.80
	ERM-MW-13	182.21	12.36	169.85
	ERM-MW-14	181.87	12.16	169.71
	MW-23	182.34	11.74	170.60

Date	Well ID	Reference Point Elevation (feet)	Depth to Water Table (feet)	Water Table Elevation (feet)
6/20/2011	ERM-MW-1	182.14	11.44	170.70
	ERM-MW-2	182.51	12.10	170.41
	ERM-MW-3	182.98	12.61	170.37
	ERM-MW-4	183.69	13.60	170.09
	MW-5	179.49	8.53	170.96
	MW-6R	179.91	9.10	170.81
	ERM-MW-7	182.66	25.92	156.74
	ERM-MW-8	182.41	11.80	170.61
	ERM-MW-9	182.92	12.69	170.23
	ERM-MW-10	182.85	12.48	170.37
	ERM-MW-11	182.75	12.35	170.40
	ERM-MW-12	182.06	11.83	170.23
	ERM-MW-13	182.21	11.39	170.82
	ERM-MW-14	181.87	11.38	170.49
	ERM-MW-15	182.22	12.30	169.92
	ERM-MW-16	182.69	12.68	170.01
	MW-23	182.34	11.18	171.16
5/12/2011	ERM-MW-1	182.14	8.19	173.95
	ERM-MW-2	182.51	9.30	173.21
	ERM-MW-3	182.98	9.29	173.69
	ERM-MW-4	183.69	10.31	173.38
	MW-5	179.49	5.60	173.89
	MW-6R	179.91	5.90	174.01
	ERM-MW-7	182.66	25.06	157.60
	ERM-MW-8	182.41	8.50	173.91
	ERM-MW-9	182.92	9.42	173.50
	ERM-MW-10	182.85	9.17	173.68
	ERM-MW-11	182.75	9.05	173.70
	ERM-MW-12	182.06	9.00	173.06
	ERM-MW-13	182.21	7.46	174.75
	ERM-MW-14	181.87	8.19	173.68
	ERM-MW-15	182.22	9.12	173.10
	ERM-MW-16	182.69	9.61	173.08
	MW-23	182.34	9.00	173.34
10/25/2011	ERM-MW-1	182.14	7.90	174.24
	ERM-MW-2	182.51	8.62	173.89
	ERM-MW-3	182.98	8.85	174.13
	ERM-MW-4	183.69	9.75	173.94
	MW-5	179.49	5.35	174.14
	MW-6R	179.91	5.67	174.24
	ERM-MW-7	182.66	25.35	157.31
	ERM-MW-8	182.41	8.18	174.23
	ERM-MW-9	182.92	8.90	174.02
	ERM-MW-10	182.85	8.78	174.07
	ERM-MW-11	182.75	8.65	174.10
	ERM-MW-12	182.06	8.28	173.78
	ERM-MW-13	182.21	7.40	174.81
	ERM-MW-14	181.87	7.85	174.02
	ERM-MW-15	182.22	8.35	173.87
	ERM-MW-16	182.69	8.82	173.87
	ERM-MW-17	182.84	9.20	173.64
	ERM-MW-18	182.91	9.30	173.61
	ERM-MW-19	181.01	7.55	173.46
	MW-23	182.34	8.47	173.87

Date	Well ID	Reference Point Elevation (feet)	Depth to Water Table (feet)	Water Table Elevation (feet)
3/29/2012	ERM-MW-1	182.14	5.96	176.18
	ERM-MW-2	182.51	6.84	175.67
	ERM-MW-3	182.98	6.95	176.03
	ERM-MW-4	183.69	8.86	174.83
	MW-5	179.49	3.70	175.79
	MW-6R	179.91	3.83	176.08
	ERM-MW-7	182.66	24.35	158.31
	ERM-MW-8	182.41	6.32	176.09
	ERM-MW-9	182.92	6.96	175.96
	ERM-MW-10	182.85	6.87	175.98
	ERM-MW-11	182.75	6.68	176.07
	ERM-MW-12	182.06	6.44	175.62
	ERM-MW-13	182.21	5.72	176.49
	ERM-MW-14	181.87	5.95	175.92
	ERM-MW-15	182.22	6.37	175.85
	ERM-MW-16	182.69	6.86	175.83
	ERM-MW-17	182.84	7.12	175.72
	ERM-MW-18	182.91	7.24	175.67
	ERM-MW-19	181.01	5.37	175.64
	ERM-MW-20	181.52	5.70	175.82
	ERM-MW-21	178.40	4.10	174.30
	ERM-MW-22	179.63	4.81	174.82
	MW-23	182.34	7.30	175.04
5/7/2012	ERM-MW-1	182.14	7.23	174.91
	ERM-MW-2	182.51	8.35	174.16
	ERM-MW-3	182.98	8.00	174.98
	ERM-MW-4	183.69	9.04	174.65
	MW-5	179.49	4.77	174.72
	MW-6R	179.91	4.98	174.93
	ERM-MW-7	182.66	24.75	157.91
	ERM-MW-8	182.41	7.39	175.02
	ERM-MW-9	182.92	8.17	174.75
	ERM-MW-10	182.85	7.88	174.97
	ERM-MW-11	182.75	7.91	174.84
	ERM-MW-12	182.06	8.04	174.02
	ERM-MW-13	182.21	6.83	175.38
	ERM-MW-14	181.87	7.30	174.57
	ERM-MW-15	182.22	7.97	174.25
	ERM-MW-16	182.69	8.51	174.18
	ERM-MW-17	182.84	8.95	173.89
	ERM-MW-18	182.91	8.90	174.01
	ERM-MW-19	181.01	7.46	173.55
	ERM-MW-20	181.52	7.92	173.60
	ERM-MW-21	178.40	5.82	172.58
	ERM-MW-22	179.63	4.94	174.69
	MW-23	182.34	8.14	174.20

Date	Well ID	Reference Point Elevation (feet)	Depth to Water Table (feet)	Water Table Elevation (feet)
11/12/2012	ERM-MW-1	182.14	10.70	171.44
	ERM-MW-2	182.51	14.85	167.66
	ERM-MW-3	182.98	11.81	171.17
	ERM-MW-4	183.69	12.58	171.11
	MW-5	179.49	NM	NM
	MW-6R	179.91	16.90	163.01
	ERM-MW-7	182.66	25.05	157.61
	ERM-MW-8	182.41	11.12	171.29
	ERM-MW-9	182.92	11.85	171.07
	ERM-MW-10	182.85	11.75	171.10
	ERM-MW-11	182.75	11.56	171.19
	ERM-MW-12	182.06	12.35	169.71
	ERM-MW-13	182.21	9.68	172.53
	ERM-MW-14	181.87	10.65	171.22
	ERM-MW-15	182.22	11.22	171.00
	ERM-MW-16	182.69	11.68	171.01
	ERM-MW-17	182.84	11.86	170.98
	ERM-MW-18	182.91	11.75	171.16
	ERM-MW-19	181.01	10.03	170.98
	ERM-MW-20	181.52	10.95	170.57
	ERM-MW-21	178.40	8.51	169.89
	ERM-MW-22	179.63	7.80	171.83
	MW-23	182.34	10.50	171.84

Notes:

NYS = Not Yet Surveyed

NM = Not Measured.

UNK= Elevation Unknown at time of update.

Table 3
Table of Site Delineation Concentrations

BWAY Drum Disposal Site, HSI Site No. 10731
Homerville, Georgia

Media	Chemical	Delineation Concentration	Comments
Soil	Not Applicable	Not Applicable	Certification of compliance already occurred under HSRA program
Ground Water	Chloroethane	5 ug/L	HSRA Type 1 RRS, but use detection limit per note in HSRA Type 1 table
	1,1-dichloroethene	7 ug/L	HSRA Type 1 RRS
	Ethylbenzene	700 ug/L	HSRA Type 1 RRS
	Isopropylbenzene (cumene)	5 ug/L	HSRA Type 1 RRS, but use detection limit per note in HSRA Type 1 table
	Methyl ethyl ketone (MEK)	2000 ug/L	HSRA Type 1 RRS
	Naphthalene	20 ug/L	HSRA Type 1 RRS
	Toluene	1000 ug/L	HSRA Type 1 RRS
	1,1,1-trichloroethane	200 ug/L	HSRA Type 1 RRS
	Vinyl chloride	2 ug/L	HSRA Type 1 RRS
	Xylenes, total	10,000 ug/L	HSRA Type 1 RRS

Table 4
Ground Water VOC Monitoring Data

BWAY Drum Disposal Site, HSI Site No. 10731
Homerville, Georgia

Well ID	Regulated Compound[1]	Delineation Criteria, noted only where detected (ug/L)	Concentrations (ug/L)						
			Nov-10	May-11	Jun-11	Oct-11	Mar-12	May-12	Nov-12
ERM-MW-1	Chloroethane		< 5	NS	< 5	< 5	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	< 10	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	<100	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	< 10	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Xylenes, total		< 5	NS	< 5	< 5	NS	< 5	*NS*
MW-5	Chloroethane		< 5	NS	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Toluene	**1,000**	< 2	NS	< 5	NS	NS	**2.8**	*NS*
	1,1,1-trichloroethane		< 2	NS	< 5	NS	NS	< 5	*NS*
	Vinyl chloride		< 2	NS	< 2	NS	NS	< 2	*NS*
	Xylenes, total		< 5	NS	< 5	NS	NS	< 5	*NS*
MW-6/ MW-6R	Chloroethane		< 5	NS	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<2	NS	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Toluene		< 2	NS	< 5	NS	NS	< 5	*NS*
	1,1,1-trichloroethane		< 2	NS	< 5	NS	NS	< 5	*NS*
	Vinyl chloride		< 2	NS	< 2	NS	NS	< 2	*NS*
	Xylenes, total		< 5	NS	< 5	NS	NS	< 5	*NS*
MW-23	Chloroethane		< 5	NS	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	NS	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	NS	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	NS	NS	< 2	*NS*
	Xylenes, total		< 5	NS	< 5	NS	NS	< 5	*NS*
ERM-MW-2	Chloroethane		< 5	NS	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	NS	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	NS	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	NS	NS	< 2	*NS*
	Xylenes, total		< 5	NS	< 5	NS	NS	< 5	*NS*
ERM-MW-3	Chloroethane		< 5	< 5	< 5	< 5	NS	< 5	*< 5*
	1,1-dichloroethene		< 2	< 2	< 2	< 2	NS	< 2	*< 2*
	Ethylbenzene	**700**	**40**	< 2	**99**	**140**	NS	**20**	**88**
	Isopropylbenzene	**10**	< 10	< 10	**23**	**33**	NS	< 10	**36**
	Methyl Ethyl Ketone (2-Butanone)		<100	<100	<100	<100	NS	<100	*<100*
	Naphthalene	**20**	**45**	**39**	**92**	**95**	NS	< 10	**130**
	Toluene		< 2	< 2	< 2	< 2	NS	< 2	*< 2*
	1,1,1-trichloroethane		< 2	< 2	< 2	< 2	NS	< 2	*< 2*
	Vinyl chloride		< 2	< 2	< 2	< 2	NS	< 2	*< 2*
	Xylenes, total	**10,000**	**60**	**30**	**110**	**180**	NS	**5.5**	**65**
ERM-MW-4	Chloroethane		< 5	< 5	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene		< 2	< 2	< 2	NS	NS	< 2	*NS*
	Ethylbenzene		< 2	< 2	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	< 10	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	<100	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	< 10	< 10	NS	NS	< 10	*NS*
	Toluene		< 5	< 5	< 5	NS	NS	< 2	*NS*
	1,1,1-trichloroethane		< 5	< 5	< 5	NS	NS	< 2	*NS*
	Vinyl chloride		< 2	< 2	< 2	NS	NS	< 2	*NS*
	Xylenes		< 5	< 5	< 5	NS	NS	< 5	*NS*
ERM-MW-7	Chloroethane		< 5	NS	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene	**7**	< 2	NS	**2.6**	NS	NS	**4.1**	*NS*
	Ethylbenzene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Toluene		< 2	NS	< 5	NS	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 5	NS	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	NS	NS	< 2	*NS*
	Xylenes, total		< 5	NS	< 5	NS	NS	< 5	*NS*

Table 4
Ground Water VOC Monitoring Data

BWAY Drum Disposal Site, HSI Site No. 10731
Homerville, Georgia

Well ID	Regulated Compound[1]	Delineation Criteria, noted only where detected (ug/L)	Concentrations (ug/L)						
			Nov-10	May-11	Jun-11	Oct-11	Mar-12	May-12	Nov-12
ERM-MW-8	Chloroethane		< 5	NS	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	NS	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	NS	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	NS	NS	< 2	*NS*
	Xylenes, total		< 5	NS	< 5	NS	NS	< 5	*NS*
ERM-MW-9	Chloroethane	**5**	**13**	< 5	< 5	**17**	NS	< 5	*< 5*
	1,1-dichloroethene	**7**	**7.2**	**7.3**	**7.7**	**5.4**	NS	**4.6**	**7.8**
	Ethylbenzene		< 2	< 2	< 2	< 2	NS	< 2	*< 2*
	Isopropylbenzene		< 10	< 10	< 10	< 10	NS	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		<100	<100	<100	<100	NS	<100	*<100*
	Naphthalene		< 10	< 10	< 10	< 10	NS	< 10	*< 10*
	Toluene		< 2	< 2	< 2	< 2	NS	< 2	*< 2*
	1,1,1-trichloroethane		< 2	< 2	< 2	< 2	NS	< 2	*< 2*
	Vinyl chloride	**2**	**16**	**12**	**13**	**7.1**	NS	**7.3**	**12**
	Xylenes, total		< 5	< 5	< 5	< 5	NS	< 5	*< 5*
ERM-MW-10	Chloroethane		< 5	NS	< 5	< 5	NS	< 5	*NS*
	1,1-dichloroethene	**7**	< 2	NS	**3.7**	**2.8**	NS	**3.1**	*NS*
	Ethylbenzene	**700**	**7.4**	NS	**9.3**	**20**	NS	**4.5**	*NS*
	Isopropylbenzene		< 10	NS	< 10	< 10	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	<100	NS	<100	*NS*
	Naphthalene	**20**	< 10	NS	< 10	**14**	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Xylenes	**10,000**	**7.3**	NS	**19**	**32**	NS	< 5	*NS*
ERM-MW-11	Chloroethane		< 5	NS	< 5	< 5	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	< 10	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	<100	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	< 10	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Xylenes		< 5	NS	< 5	< 5	NS	< 5	*NS*
ERM-MW-12	Chloroethane		< 5	NS	< 5	< 5	NS	< 5	*NS*
	1,1-dichloroethene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	< 10	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	<100	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	< 10	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	< 2	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	< 2	NS	< 2	*NS*
	Xylenes		< 5	NS	< 5	< 5	NS	< 5	*NS*
ERM-MW-13	Chloroethane		< 5	< 5	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene		< 2	< 2	< 2	NS	NS	< 2	*NS*
	Ethylbenzene	**700**	**5.1**	< 2	**88**	NS	NS	< 2	*NS*
	Isopropylbenzene	**10**	**33**	< 10	**30**	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	<100	<100	NS	NS	<100	*NS*
	Naphthalene	**20**	< 10	< 10	**25**	NS	NS	< 10	*NS*
	Toluene		< 2	< 2	< 2	NS	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	< 2	< 2	NS	NS	< 2	*NS*
	Vinyl chloride		< 2	< 2	< 2	NS	NS	< 2	*NS*
	Xylenes	**10,000**	**20**	< 5	**250**	NS	NS	**33**	*NS*
ERM-MW-14	Chloroethane		< 5	NS	< 5	NS	NS	< 5	*NS*
	1,1-dichloroethene	**7**	< 2	NS	**2**	NS	NS	< 2	*NS*
	Ethylbenzene		< 2	NS	< 2	NS	NS	< 2	*NS*
	Isopropylbenzene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Methyl Ethyl Ketone (2-Butanone)		<100	NS	<100	NS	NS	<100	*NS*
	Naphthalene		< 10	NS	< 10	NS	NS	< 10	*NS*
	Toluene		< 2	NS	< 2	NS	NS	< 2	*NS*
	1,1,1-trichloroethane		< 2	NS	< 2	NS	NS	< 2	*NS*
	Vinyl chloride		< 2	NS	< 2	NS	NS	< 2	*NS*
	Xylenes		< 5	NS	< 5	NS	NS	< 5	*NS*
ERM-MW-15	Chloroethane		NI	< 5	< 5	< 5	NS	< 5	*< 5*
	1,1-dichloroethene	**7**	NI	**6.1**	**5**	**3.2**	NS	**3**	**3**
	Ethylbenzene	**700**	NI	< 2	**4.6**	< 2	NS	< 2	*< 2*
	Isopropylbenzene		NI	< 2	< 10	< 10	NS	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		NI	<100	<100	<100	NS	<100	*<100*
	Naphthalene	**20**	NI	< 10	**10**	**12**	NS	< 10	*< 10*
	Toluene		NI	< 10	< 2	< 2	NS	< 2	*< 2*
	1,1,1-trichloroethane		NI	< 2	< 2	< 2	NS	< 2	*< 2*
	Vinyl chloride	**2**	NI	< 2	< 2	< 2	NS	< 2	*< 2*
	Xylenes		NI	< 2	< 5	< 5	NS	< 5	*< 5*

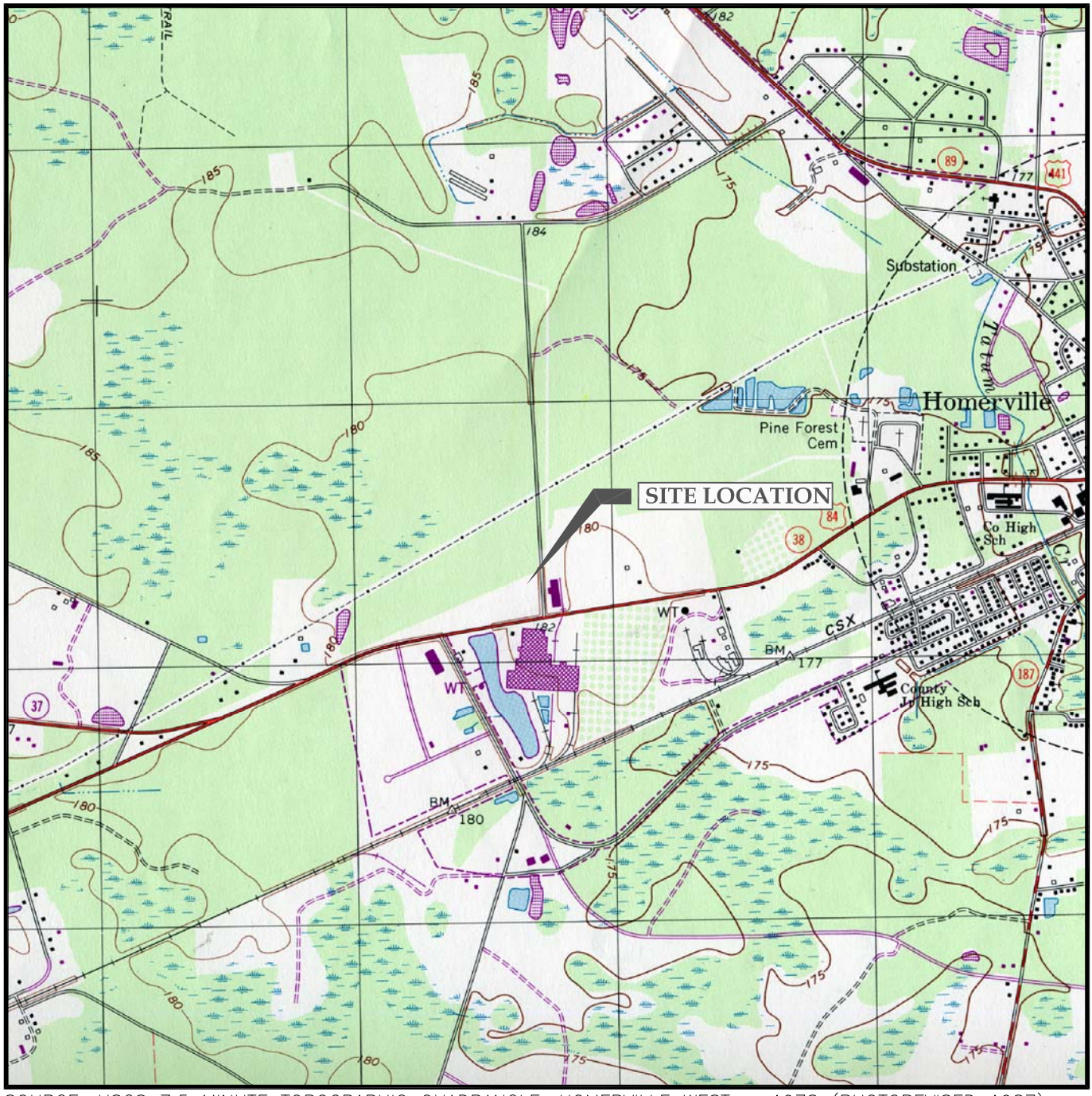
Table 4
Ground Water VOC Monitoring Data

BWAY Drum Disposal Site, HSI Site No. 10731
Homerville, Georgia

Well ID	Regulated Compound[1]	Delineation Criteria, noted only where detected (ug/L)	Concentrations (ug/L)						
			Nov-10	May-11	Jun-11	Oct-11	Mar-12	May-12	Nov-12
ERM-MW-16	Chloroethane		NI	< 5	< 5	< 5	NS	< 5	*< 5*
	1,1-dichloroethene	**7**	NI	**5.4**	**7.1**	< 2	NS	**2.3**	**6**
	Ethylbenzene		NI	< 2	< 2	< 2	NS	< 2	*< 2*
	Isopropylbenzene		NI	< 10	< 10	< 10	NS	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		NI	<100	<100	<100	NS	<100	*<100*
	Naphthalene		NI	< 10	< 10	< 10	NS	< 10	*< 10*
	Toluene		NI	< 2	< 2	< 2	NS	< 2	*< 2*
	1,1,1-trichloroethane		NI	< 2	< 2	< 2	NS	< 2	*< 2*
	Vinyl chloride	**2**	NI	**11**	**10**	**7**	NS	**2.8**	**6.4**
	Xylenes		NI	<5	< 5	< 5	NS	< 5	*< 5*
ERM-MW-17	Chloroethane	**5**	NI	NI	NI	**110**	NS	< 5	*< 5*
	1,1-dichloroethene	**7**	NI	NI	NI	**41**	NS	**34**	**26**
	Ethylbenzene		NI	NI	NI	< 2	NS	< 2	*< 2*
	Isopropylbenzene		NI	NI	NI	< 10	NS	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		NI	NI	NI	<100	NS	< 100	*< 100*
	Naphthalene		NI	NI	NI	< 10	NS	< 10	*< 10*
	Toluene		NI	NI	NI	< 2	NS	< 2	*< 2*
	1,1,1-trichloroethane		NI	NI	NI	< 2	NS	< 2	*< 2*
	Vinyl chloride	**2**	NI	NI	NI	**17**	NS	**19**	**15**
	Xylenes		NI	NI	NI	< 5	NS	< 5	*< 5*
ERM-MW-18	Chloroethane	**5**	NI	NI	NI	**130**	NS	**11**	**28**
	1,1-dichloroethene	**7**	NI	NI	NI	**25**	NS	**18**	**31**
	Ethylbenzene		NI	NI	NI	< 2	NS	< 2	*< 2*
	Isopropylbenzene		NI	NI	NI	< 10	NS	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		NI	NI	NI	<100	NS	< 100	*< 100*
	Naphthalene		NI	NI	NI	< 10	NS	< 10	*< 10*
	Toluene		NI	NI	NI	< 2	NS	< 2	*< 2*
	1,1,1-trichloroethane		NI	NI	NI	< 2	NS	< 2	*< 2*
	Vinyl chloride	**2**	NI	NI	NI	**5.3**	NS	**4.9**	**13**
	Xylenes		NI	NI	NI	< 5	NS	< 5	*< 5*
ERM-MW-19	Chloroethane		NI	NI	NI	< 5	NS	< 5	*< 5*
	1,1-dichloroethene	**7**	NI	NI	NI	**47**	NS	**47**	**47**
	Ethylbenzene		NI	NI	NI	< 2	NS	< 2	*< 2*
	Isopropylbenzene		NI	NI	NI	< 10	NS	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		NI	NI	NI	<100	NS	< 100	*< 100*
	Naphthalene		NI	NI	NI	< 10	NS	< 10	*< 10*
	Toluene		NI	NI	NI	< 2	NS	< 2	*< 2*
	1,1,1-trichloroethane		NI	NI	NI	< 2	NS	< 2	*< 2*
	Vinyl chloride		NI	NI	NI	< 2	NS	< 2	*< 2*
	Xylenes		NI	NI	NI	< 5	NS	< 5	*< 5*
ERM-MW-20	Chloroethane		NI	NI	NI	NI	< 5	< 5	*< 5*
	1,1-dichloroethene	**7**	NI	NI	NI	NI	**30**	**41**	**13**
	Ethylbenzene	**700**	NI	NI	NI	NI	< 2	< 2	**11**
	Isopropylbenzene		NI	NI	NI	NI	< 10	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		NI	NI	NI	NI	< 100	< 100	*< 100*
	Naphthalene		NI	NI	NI	NI	< 10	< 10	*< 10*
	Toluene	**1000**	NI	NI	NI	NI	< 2	< 2	**30**
	1,1,1-trichloroethane	**200**	NI	NI	NI	NI	**2.1**	**2.1**	*< 2*
	Vinyl chloride	**2**	NI	NI	NI	NI	**4.2**	**8.7**	*< 2*
	Xylenes		NI	NI	NI	NI	< 5	< 5	*< 5*
ERM-MW-21	Chloroethane		NI	NI	NI	NI	< 5	< 5	*< 5*
	1,1-dichloroethene	**7**	NI	NI	NI	NI	**2.2**	< 2	**15**
	Ethylbenzene		NI	NI	NI	NI	< 2	< 2	*< 2*
	Isopropylbenzene		NI	NI	NI	NI	< 10	< 10	*< 10*
	Methyl Ethyl Ketone (2-Butanone)		NI	NI	NI	NI	< 100	< 100	*< 100*
	Naphthalene		NI	NI	NI	NI	< 10	< 10	*< 10*
	Toluene		NI	NI	NI	NI	< 2	< 2	*< 2*
	1,1,1-trichloroethane		NI	NI	NI	NI	< 2	< 2	*< 2*
	Vinyl chloride		NI	NI	NI	NI	< 2	< 2	*< 2*
	Xylenes		NI	NI	NI	NI	< 5	< 5	*< 5*
ERM-MW-22	Chloroethane		NI	NI	NI	NI	< 5	< 5	NS
	1,1-dichloroethene		NI	NI	NI	NI	< 2	< 2	NS
	Ethylbenzene		NI	NI	NI	NI	< 2	< 2	NS
	Isopropylbenzene		NI	NI	NI	NI	< 10	< 10	NS
	Methyl Ethyl Ketone (2-Butanone)		NI	NI	NI	NI	< 100	< 100	NS
	Naphthalene		NI	NI	NI	NI	< 10	< 10	NS
	Toluene		NI	NI	NI	NI	< 2	< 2	NS
	1,1,1-trichloroethane		NI	NI	NI	NI	< 2	< 2	NS
	Vinyl chloride		NI	NI	NI	NI	< 2	< 2	NS
	Xylenes		NI	NI	NI	NI	< 5	< 5	NS
Storm Water	Chloroethane		NS	NS	NS	< 5	NS	NS	NS
	1,1-dichloroethene		NS	NS	NS	< 2	NS	NS	NS
	Ethylbenzene		NS	NS	NS	< 2	NS	NS	NS
	Isopropylbenzene		NS	NS	NS	< 10	NS	NS	NS
	Methyl Ethyl Ketone (2-Butanone)		NS	NS	NS	<100	NS	NS	NS
	Naphthalene		NS	NS	NS	< 10	NS	NS	NS
	Toluene		NS	NS	NS	< 2	NS	NS	NS
	1,1,1-trichloroethane		NS	NS	NS	< 2	NS	NS	NS
	Vinyl chloride		NS	NS	NS	< 2	NS	NS	NS
	Xylenes		NS	NS	NS	< 5	NS	NS	NS

Notes:
1 = Only VOCs that have been detected in ground water at the site are listed in this table
NS = Not Sampled.
NI = Not Installed.
J = Estimated value.
BOLD = Detected above laboratory detection limit
Detected above delineation concentration

Figures



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE: HOMERVILLE WEST – 1978 (PHOTOREVISED 1987)

SCALE 1:24000

1 1/2 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

GEORGIA

QUADRANGLE LOCATION

CONTOUR INTERVAL 5 FEET

DOTTED LINES REPRESENT 5–FOOT CONTOURS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

N

REV SPV 12/3/12 121022Site.DWG

ERM **Environmental Resources Management**

SITE LOCATION

THIRD SEMI-ANNUAL PROGRESS REPORT

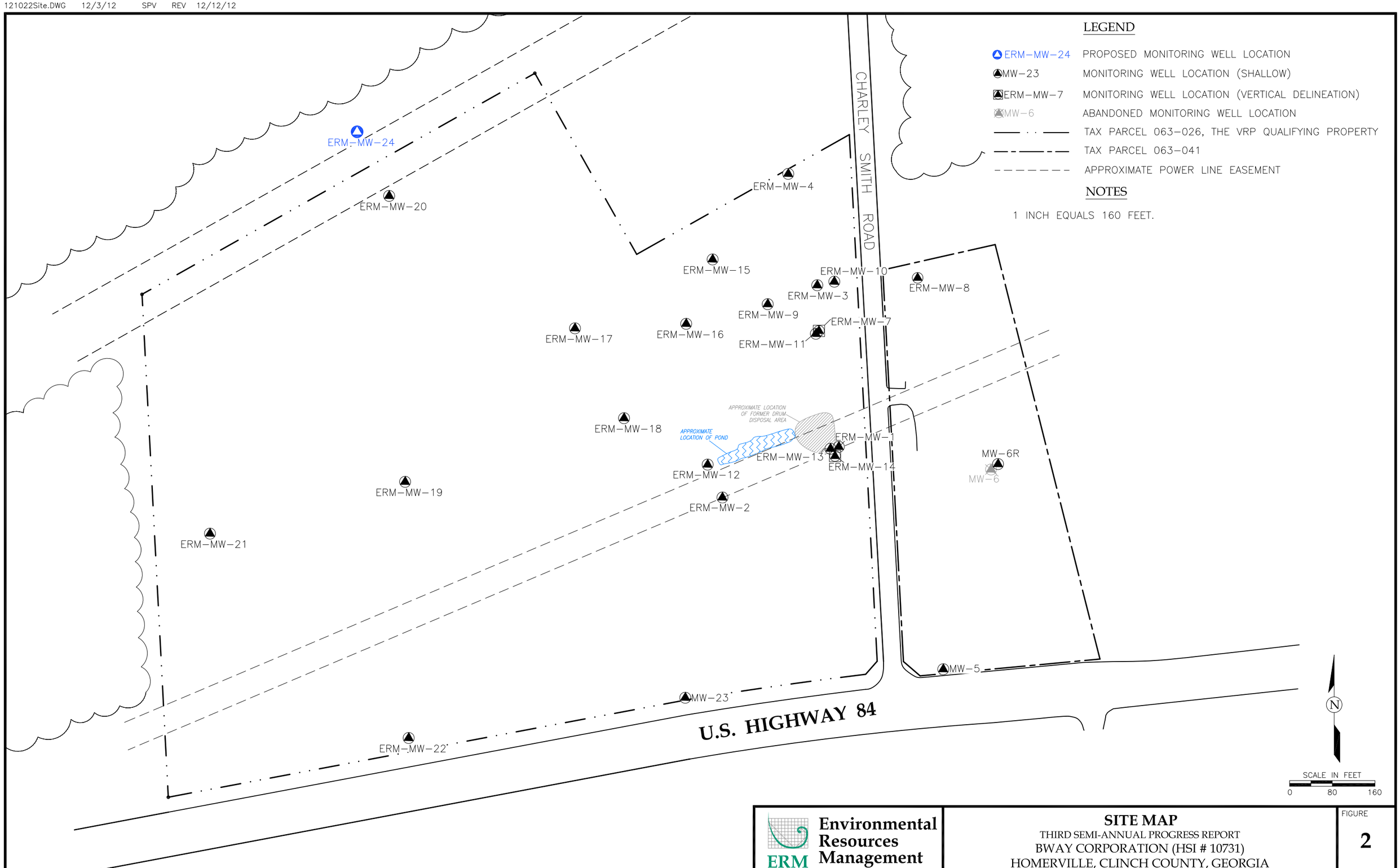
BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE

1

121022Site.DWG 12/3/12 SPV REV 12/12/12



Environmental Resources Management

ERM

SITE MAP

THIRD SEMI-ANNUAL PROGRESS REPORT

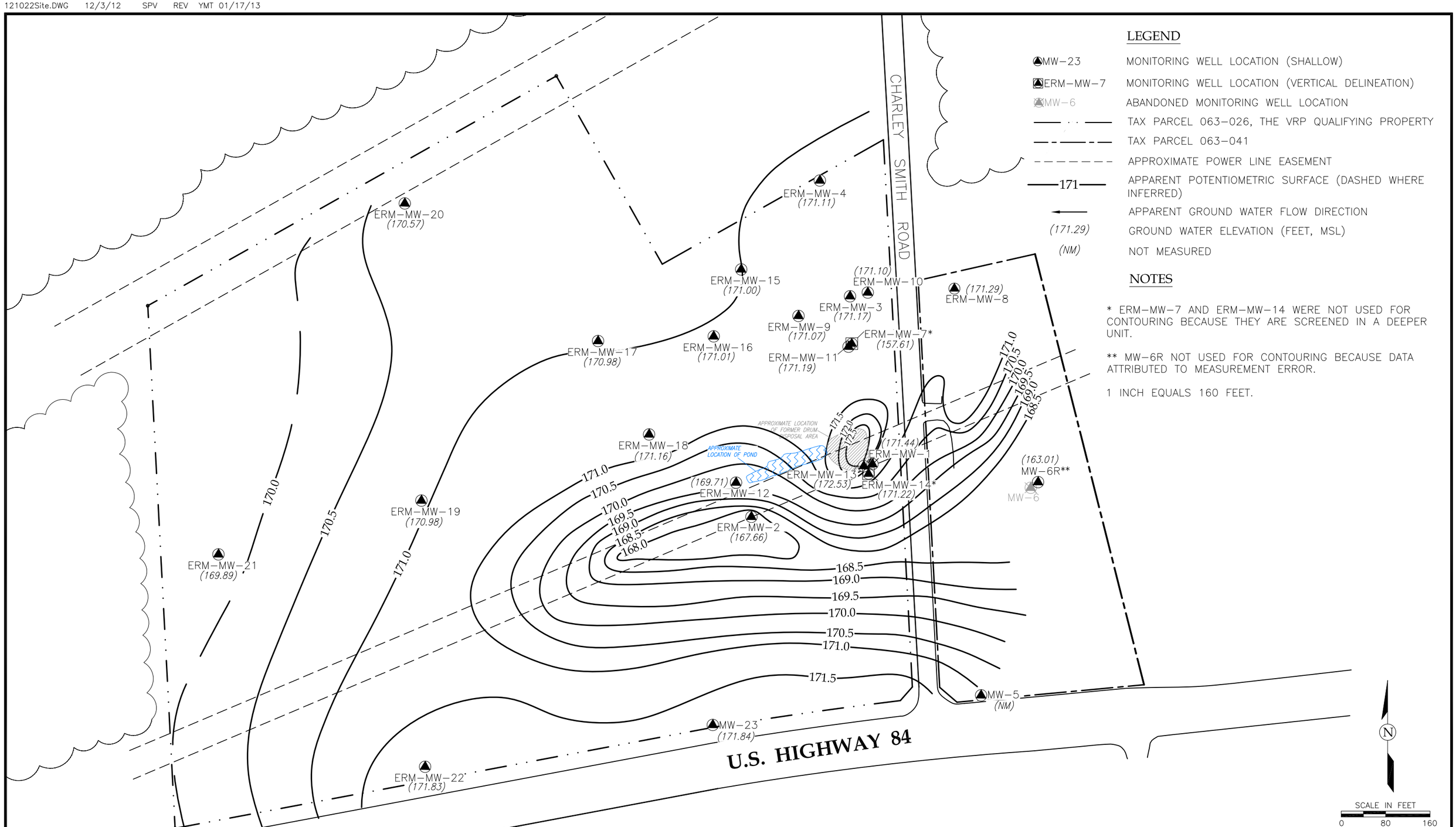
BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE

2

121022Site.DWG 12/3/12 SPV REV YMT 01/17/13



LEGEND

MW-23	MONITORING WELL LOCATION (SHALLOW)
ERM-MW-7	MONITORING WELL LOCATION (VERTICAL DELINEATION)
MW-6	ABANDONED MONITORING WELL LOCATION
	TAX PARCEL 063-026, THE VRP QUALIFYING PROPERTY
	TAX PARCEL 063-041
	APPROXIMATE POWER LINE EASEMENT
171	APPARENT POTENTIOMETRIC SURFACE (DASHED WHERE INFERRED)
	APPARENT GROUND WATER FLOW DIRECTION
(171.29)	GROUND WATER ELEVATION (FEET, MSL)
(NM)	NOT MEASURED

NOTES

* ERM-MW-7 AND ERM-MW-14 WERE NOT USED FOR CONTOURING BECAUSE THEY ARE SCREENED IN A DEEPER UNIT.

** MW-6R NOT USED FOR CONTOURING BECAUSE DATA ATTRIBUTED TO MEASUREMENT ERROR.

1 INCH EQUALS 160 FEET.

ERM Environmental Resources Management

POTENTIOMETRIC SURFACE MAP - NOVEMBER 2012

THIRD SEMI-ANNUAL PROGRESS REPORT

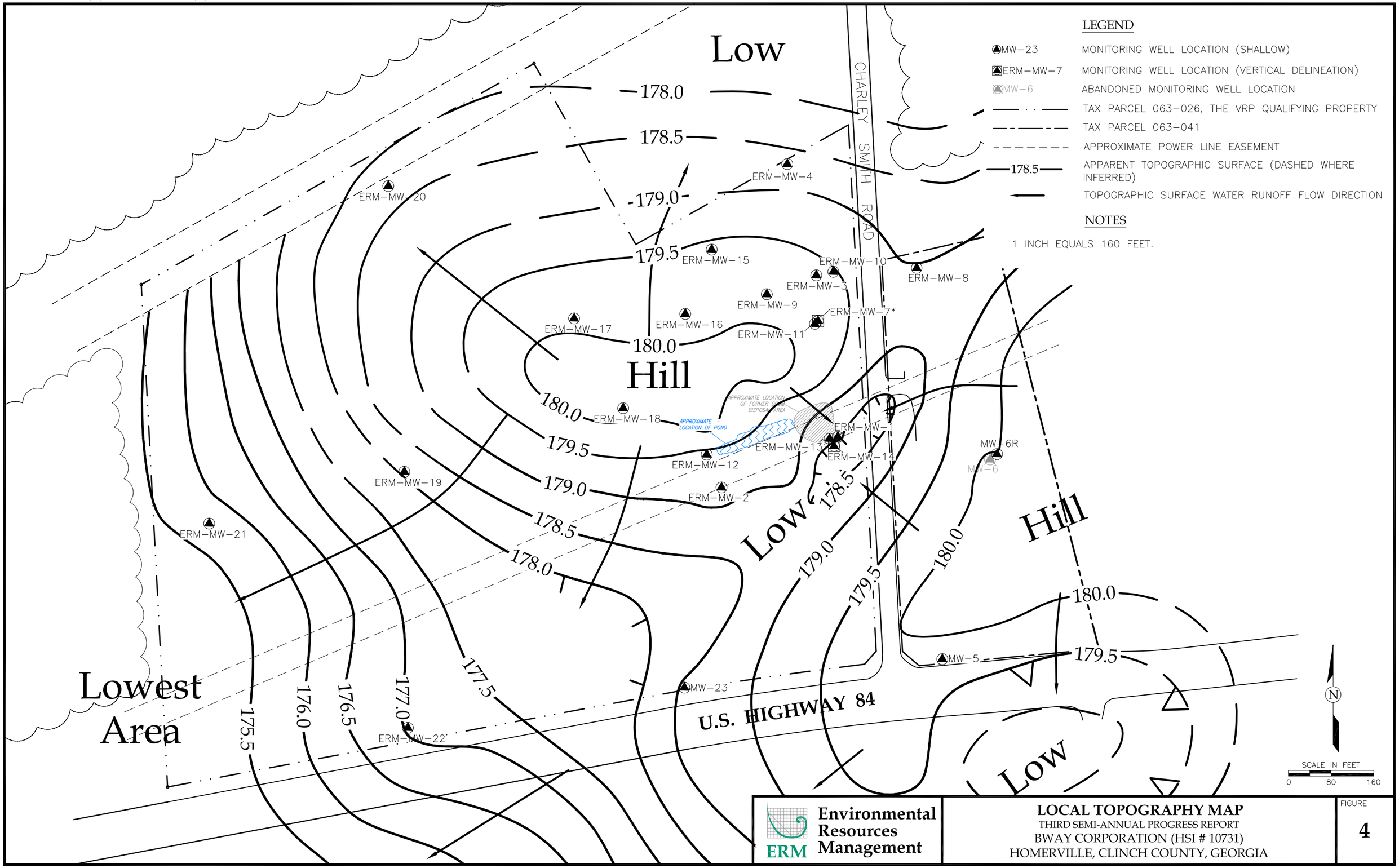
BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE

3

121022Site.DWG 12/3/12 SPV REV 1/8/13



Environmental Resources Management

ERM

LOCAL TOPOGRAPHY MAP

THIRD SEMI-ANNUAL PROGRESS REPORT

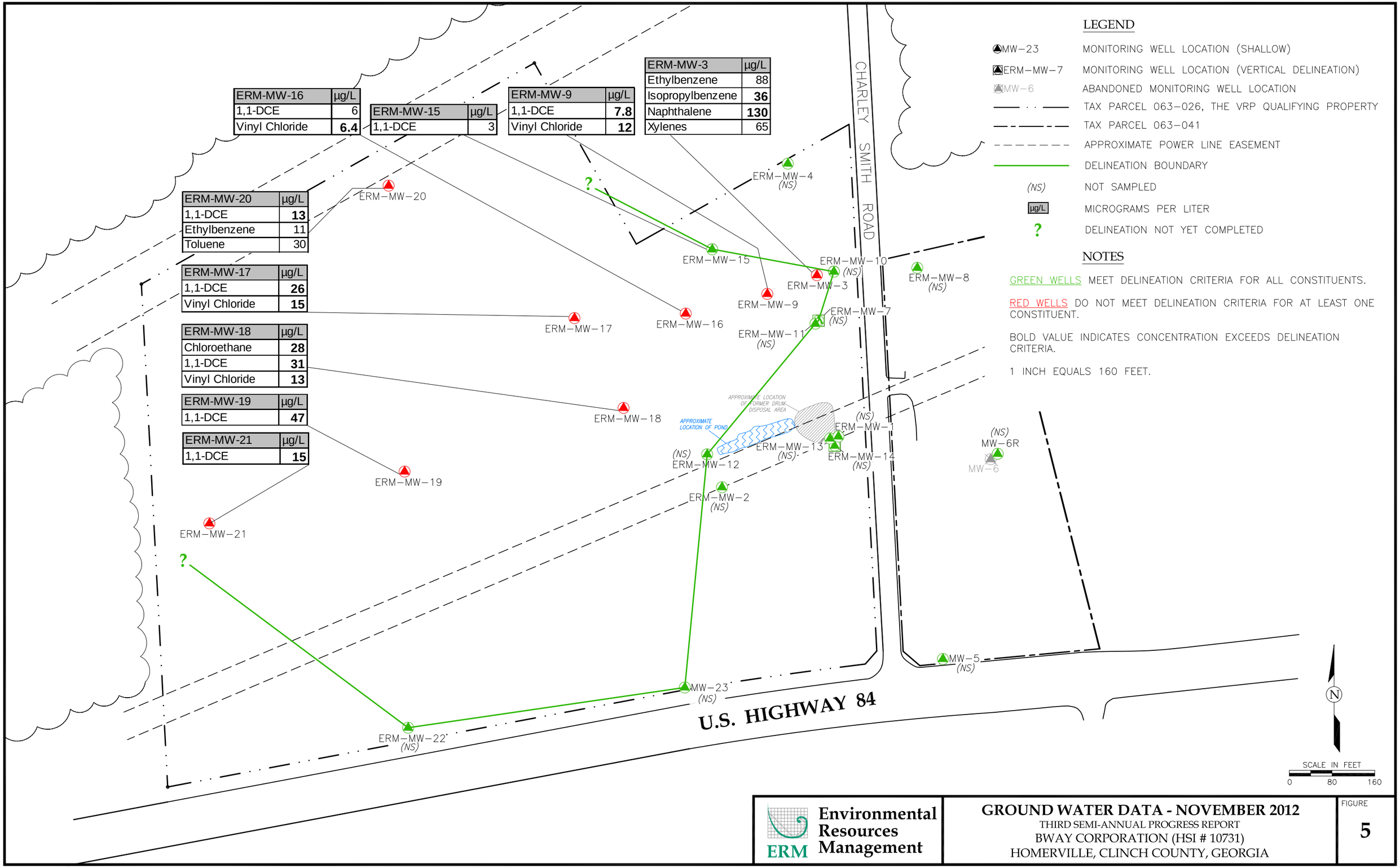
BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE

4

121022Site.DWG 12/3/12 SPV REV 1/8/13



LEGEND

MW-23	MONITORING WELL LOCATION (SHALLOW)
ERM-MW-7	MONITORING WELL LOCATION (VERTICAL DELINEATION)
MW-6	ABANDONED MONITORING WELL LOCATION
	TAX PARCEL 063-026, THE VRP QUALIFYING PROPERTY
	TAX PARCEL 063-041
	APPROXIMATE POWER LINE EASEMENT
	DELINEATION BOUNDARY
(NS)	NOT SAMPLED
µg/L	MICROGRAMS PER LITER
?	DELINEATION NOT YET COMPLETED

NOTES

GREEN WELLS MEET DELINEATION CRITERIA FOR ALL CONSTITUENTS.

RED WELLS DO NOT MEET DELINEATION CRITERIA FOR AT LEAST ONE CONSTITUENT.

BOLD VALUE INDICATES CONCENTRATION EXCEEDS DELINEATION CRITERIA.

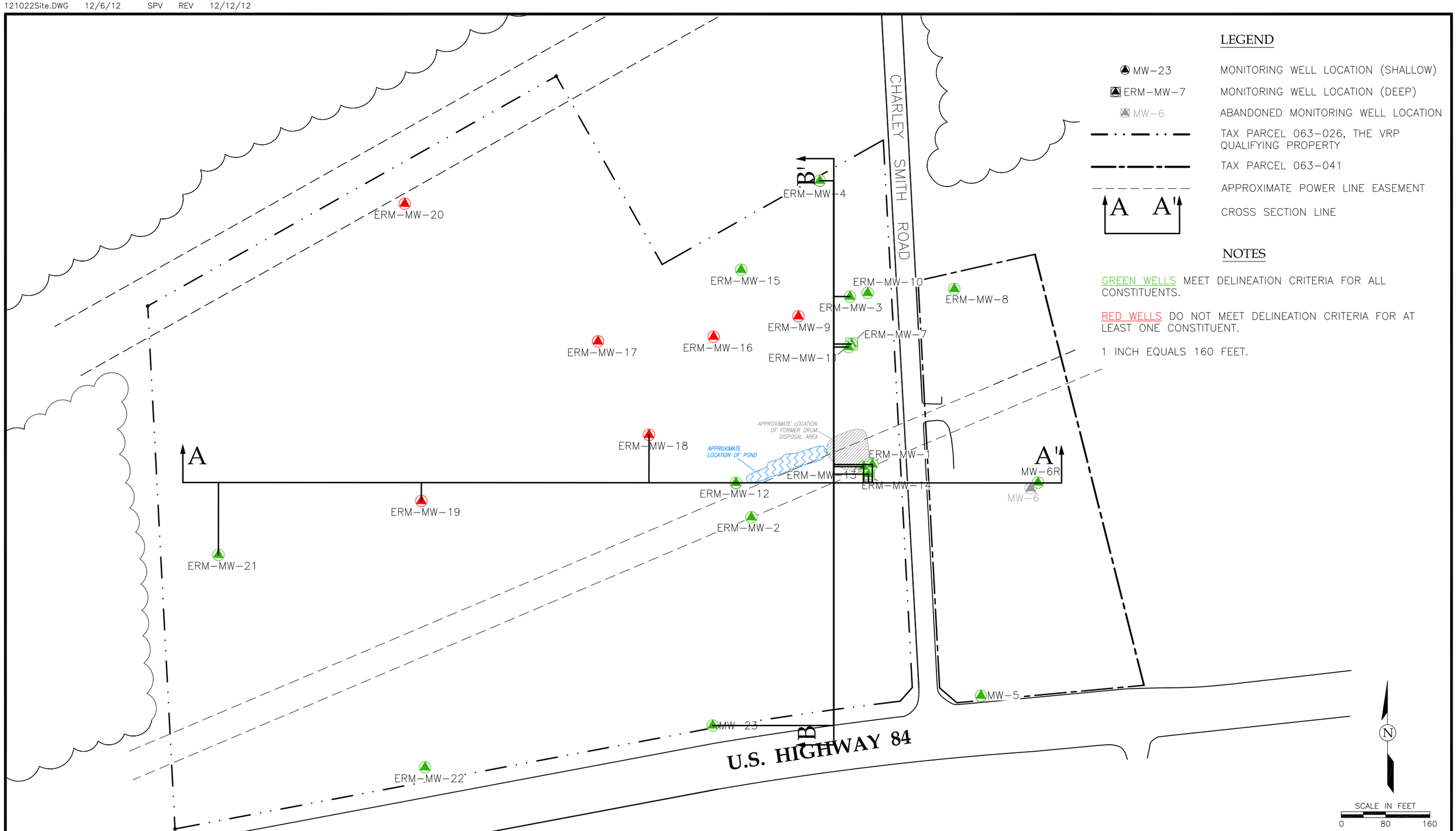
1 INCH EQUALS 160 FEET.

Environmental Resources Management

GROUND WATER DATA - NOVEMBER 2012
THIRD SEMI-ANNUAL PROGRESS REPORT
BWAY CORPORATION (HSI # 10731)
HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE
5

121022Site.DWG 12/6/12 SPV REV 12/12/12



LEGEND

MW-23	MONITORING WELL LOCATION (SHALLOW)
ERM-MW-7	MONITORING WELL LOCATION (DEEP)
MW-6	ABANDONED MONITORING WELL LOCATION
	TAX PARCEL 063-026, THE VRP QUALIFYING PROPERTY
	TAX PARCEL 063-041
	APPROXIMATE POWER LINE EASEMENT
A A'	CROSS SECTION LINE

NOTES

GREEN WELLS MEET DELINEATION CRITERIA FOR ALL CONSTITUENTS.

RED WELLS DO NOT MEET DELINEATION CRITERIA FOR AT LEAST ONE CONSTITUENT.

1 INCH EQUALS 160 FEET.

ERM Environmental Resources Management

CROSS-SECTION LOCATION MAP
THIRD SEMI-ANNUAL PROGRESS REPORT
BWAY CORPORATION (HSI # 10731)
HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE
6

LEGEND

WELL CASING

WELL SCREEN

WATER TABLE (NOVEMBER 2012)

(170.98) GROUND WATER ELEVATION (FT MSL – NOVEMBER 2012)

(NS) NOT SAMPLED

µg/L MICROGRAMS PER LITER

FILL

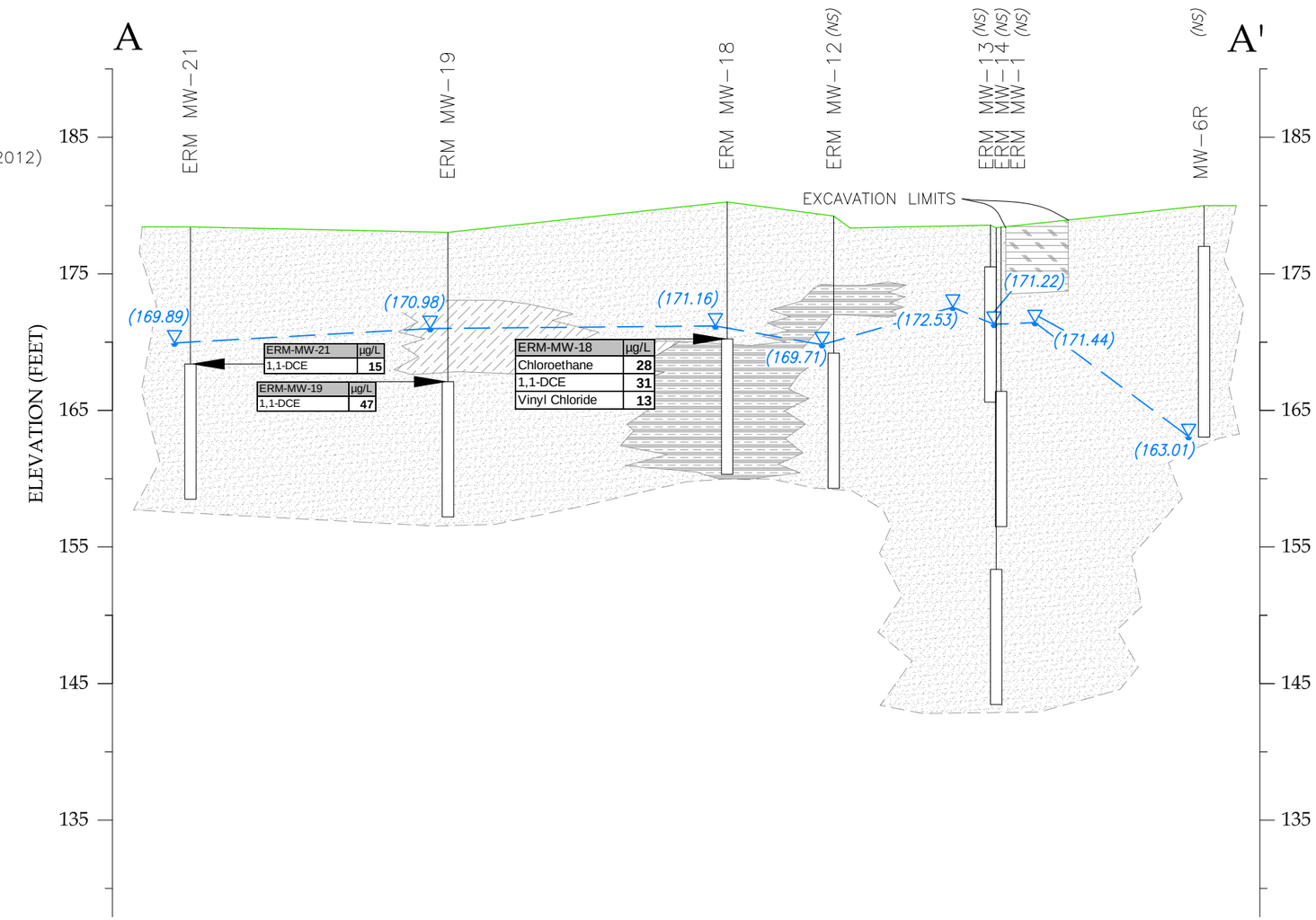
SANDY–CLAY/CLAYEY SAND

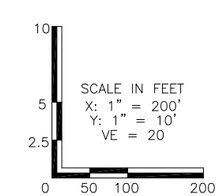
SAND

CLAY

NOTES

BOLD VALUE INDICATES CONCENTRATION EXCEEDS DELINEATION CRITERIA.





Environmental Resources Management

ERM

CROSS-SECTION A - A'

THIRD SEMI-ANNUAL PROGRESS REPORT

BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE

7

121022Site.DWG 12/11/12 SPV REV YMT 01/17/13

LEGEND

WELL CASING

WELL SCREEN

WATER TABLE (NOVEMBER 2012)

(171.84) GROUND WATER ELEVATION (FT MSL – NOVEMBER 2012)

(NS) NOT SAMPLED

µg/L MICROGRAMS PER LITER

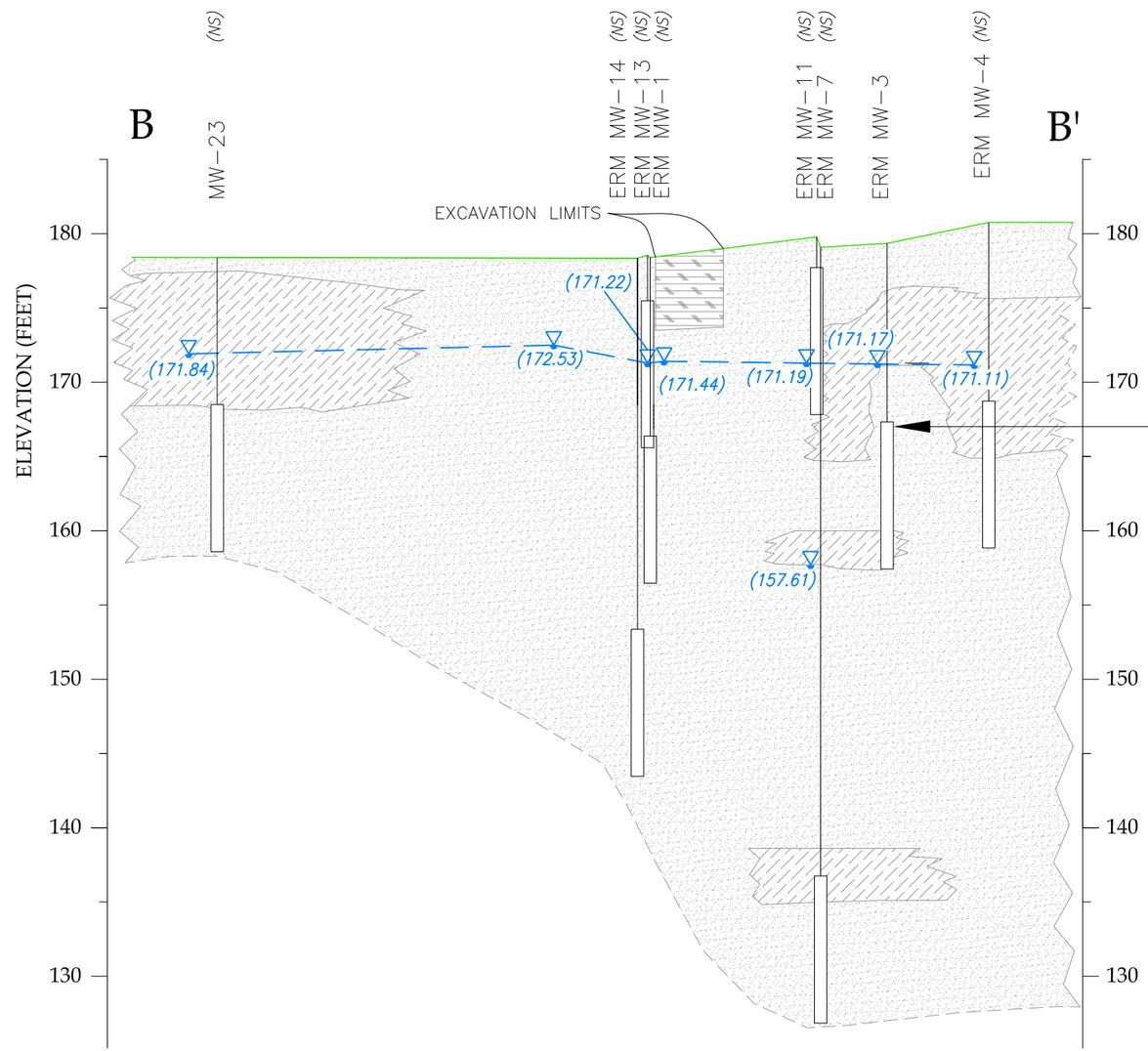
FILL

SANDY–CLAY/CLAYEY SAND

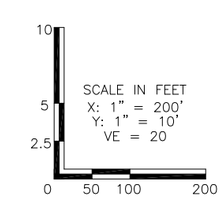
SAND

NOTES

BOLD VALUE INDICATES CONCENTRATION EXCEEDS DELINEATION CRITERIA.



ERM-MW-3	µg/L
Ethylbenzene	88
Isopropylbenzene	**36**
Naphthalene	**130**
Xylenes	65



Environmental Resources Management

ERM

CROSS-SECTION B - B'

THIRD SEMI-ANNUAL PROGRESS REPORT

BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE

8

121022Site.DWG 12/6/12 SPV REV 12/12/12

Appendix A

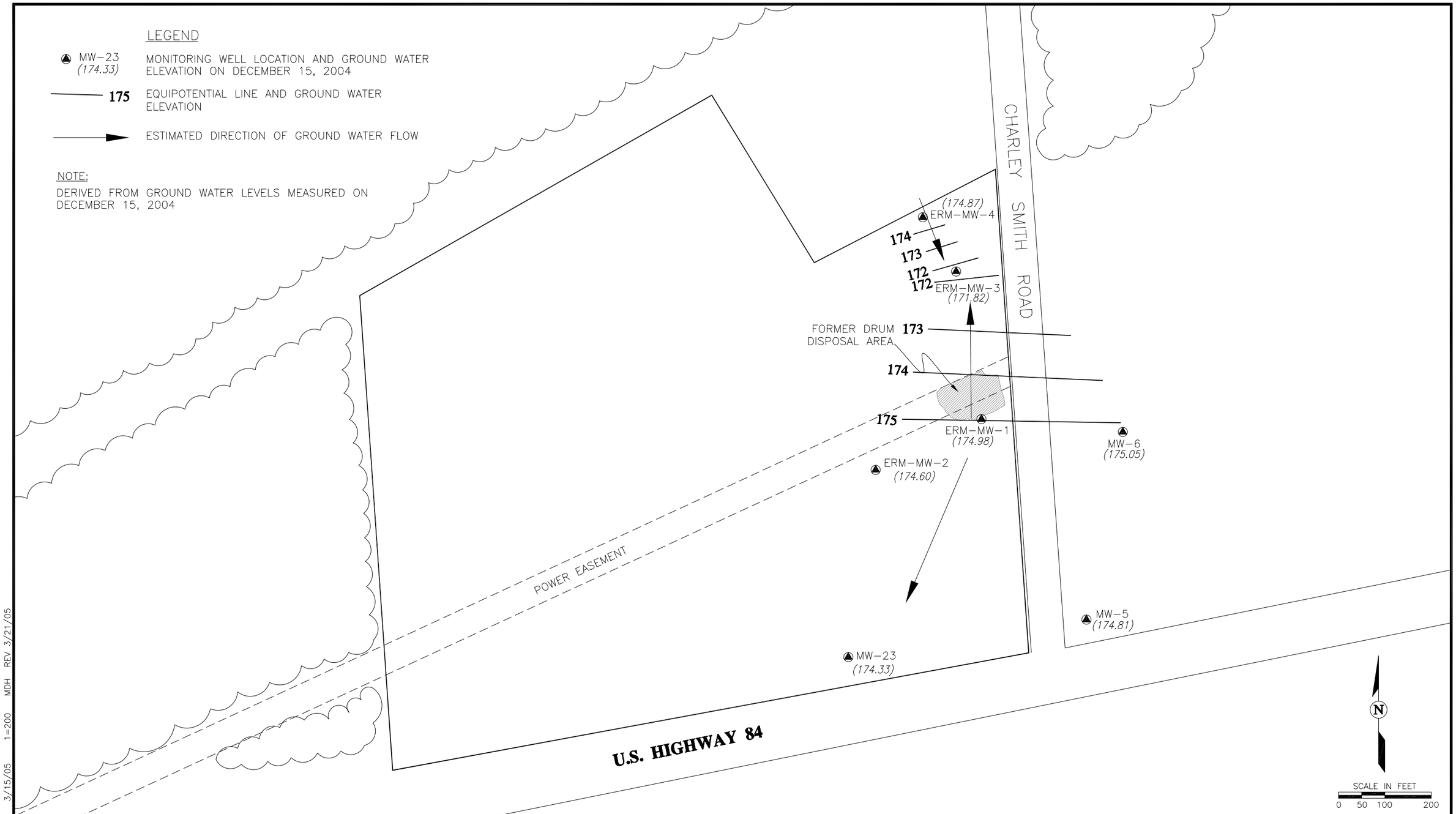
Documentation of Work Performed by Professional Engineer

Appendix A
Documentation of Work Performed by the Professional Engineer
BWAY Drum Site
Homerville, GA

Month	**Number of Hours Invoiced by Shanna Thompson, P.E.**		**Activities Performed by Shanna Thompson, P.E. Since the Previous Submittal**
Jun-12	16	hours	Data Interpretation and Semi-Annual Reporting
Jul-12	12	hours	Finalize Semi-Annual Report
Aug-12	5	hours	Work Plans and Access Agreements
Sep-12	0	hours	--
Oct-12	4	hours	Access Agreements and Preparations for Ground Water Sampling Event
Nov-12	2	hours	Oversee Ground Water Sampling Efforts

Appendix B

Historical Potentiometric Surface Maps

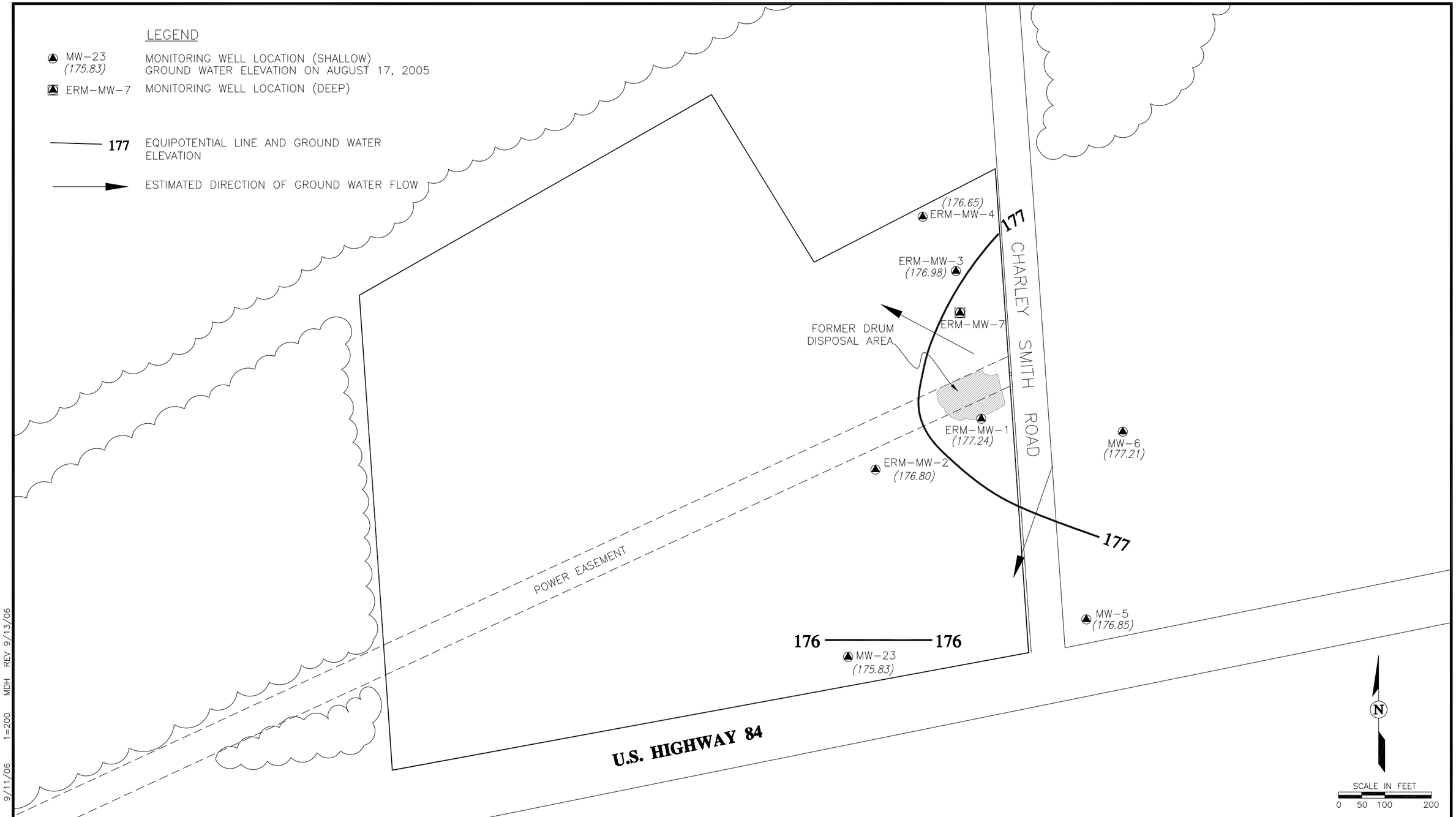


ERM Environmental Resources Management

LOCATIONS OF MONITORING WELLS AND GROUND WATER POTENTIOMETRIC SURFACE MAP
CORRECTIVE ACTION PLAN
BWAY CORPORATION (HSI # 10731)
HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE **5-1**

25124SITECAP.DWG 3/15/05 1=200 MDH REV 3/21/05



ERM Environmental Resources Management

POTENTIOMETRIC SURFACE MAP, 8/17/05
CORRECTIVE ACTION PROGRESS REPORT
BWAY CORPORATION (HSI # 10731)
HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE **4-1**

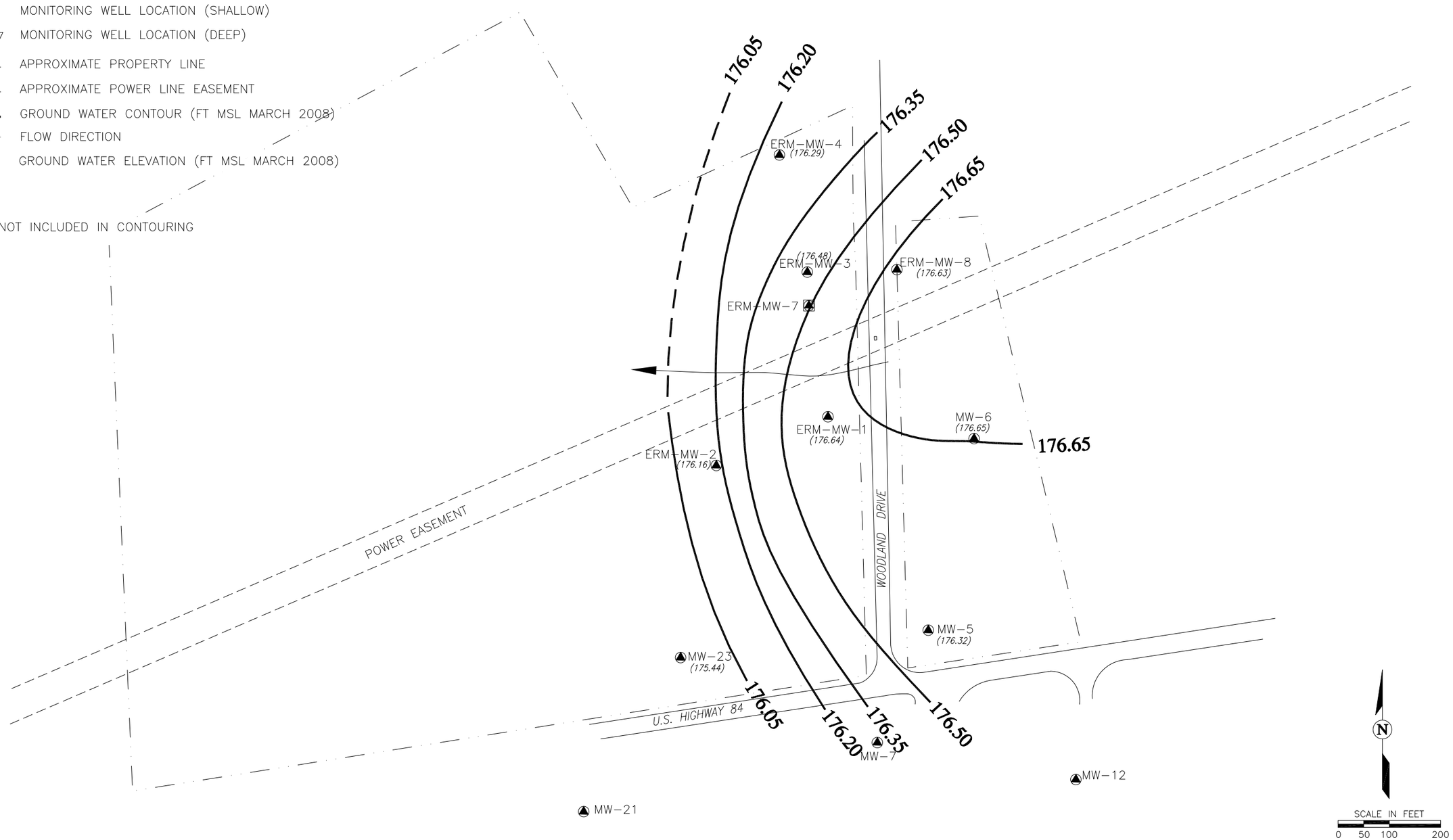
25124SITECAR.DWG 9/11/06 1=200 MDH REV 9/13/06

LEGEND

MW-23	MONITORING WELL LOCATION (SHALLOW)
ERM-MW-7	MONITORING WELL LOCATION (DEEP)
	APPROXIMATE PROPERTY LINE
	APPROXIMATE POWER LINE EASEMENT
173.00	GROUND WATER CONTOUR (FT MSL MARCH 2008)
	FLOW DIRECTION
(172.94)	GROUND WATER ELEVATION (FT MSL MARCH 2008)

NOTES:

MW-7 WAS NOT INCLUDED IN CONTOURING



ERM Environmental Resources Management

POTENTIOMETRIC SURFACE MAP - MARCH 2008

GROUND WATER EVALUATION RESULTS - SUPPLEMENTAL REPORT

BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE 2

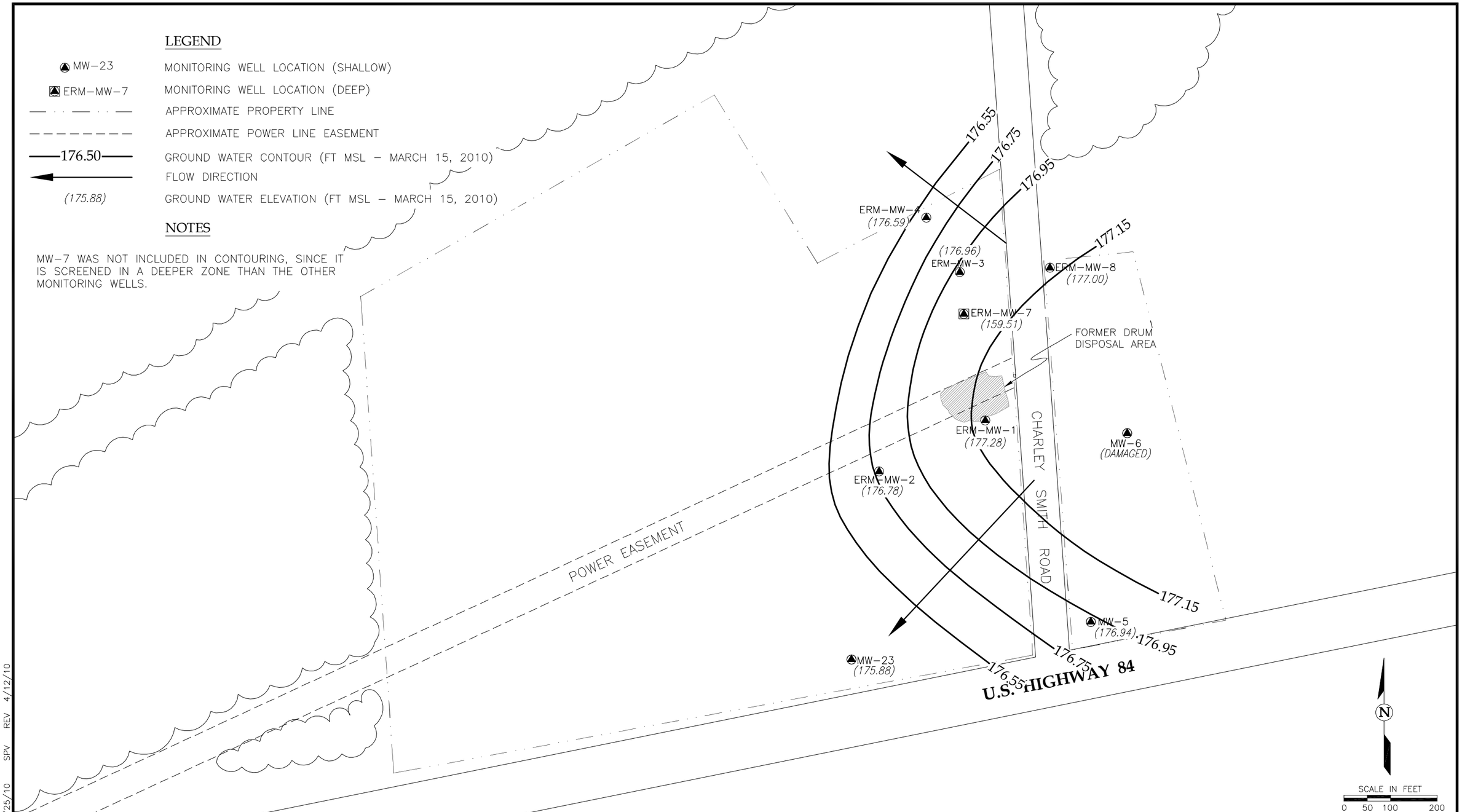
25124SITECAR.DWG 6/2/08 1=200 MDH REV 1455

LEGEND

MW–23	MONITORING WELL LOCATION (SHALLOW)
ERM–MW–7	MONITORING WELL LOCATION (DEEP)
— · — · —	APPROXIMATE PROPERTY LINE
– – – – – – – –	APPROXIMATE POWER LINE EASEMENT
176.50	GROUND WATER CONTOUR (FT MSL – MARCH 15, 2010)
←	FLOW DIRECTION
(175.88)	GROUND WATER ELEVATION (FT MSL – MARCH 15, 2010)

NOTES

MW–7 WAS NOT INCLUDED IN CONTOURING, SINCE IT IS SCREENED IN A DEEPER ZONE THAN THE OTHER MONITORING WELLS.



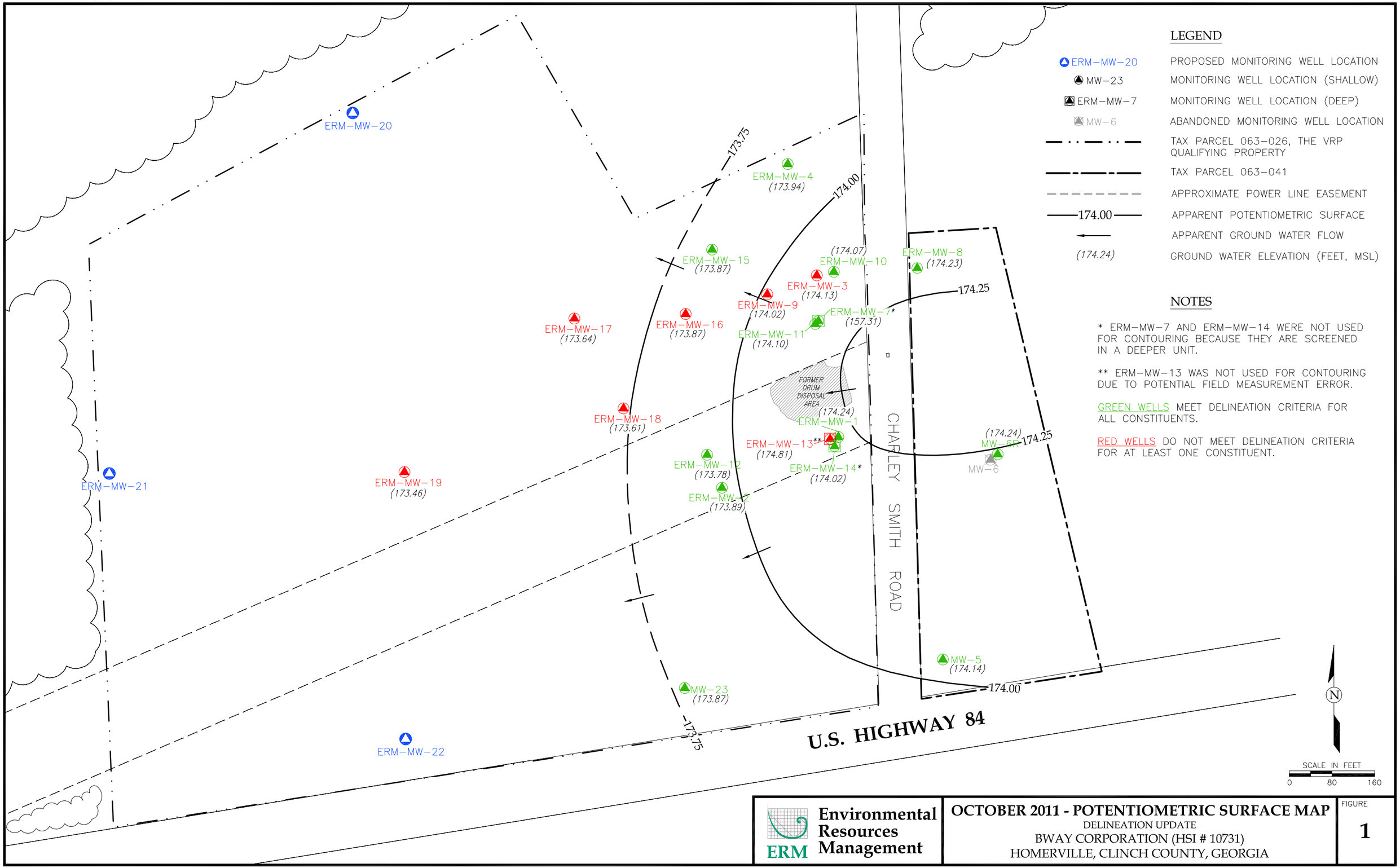
Environmental Resources Management

POTENTIOMETRIC SURFACE MAP - MARCH 15, 2010
VOLUNTARY REMEDIATION PLAN
BWAY CORPORATION (HSI # 10731)
HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE
3-1

25124Site.DWG 3/25/10 SPV REV 4/12/10

121022Site2.DWG 12/21/11 SPV REV

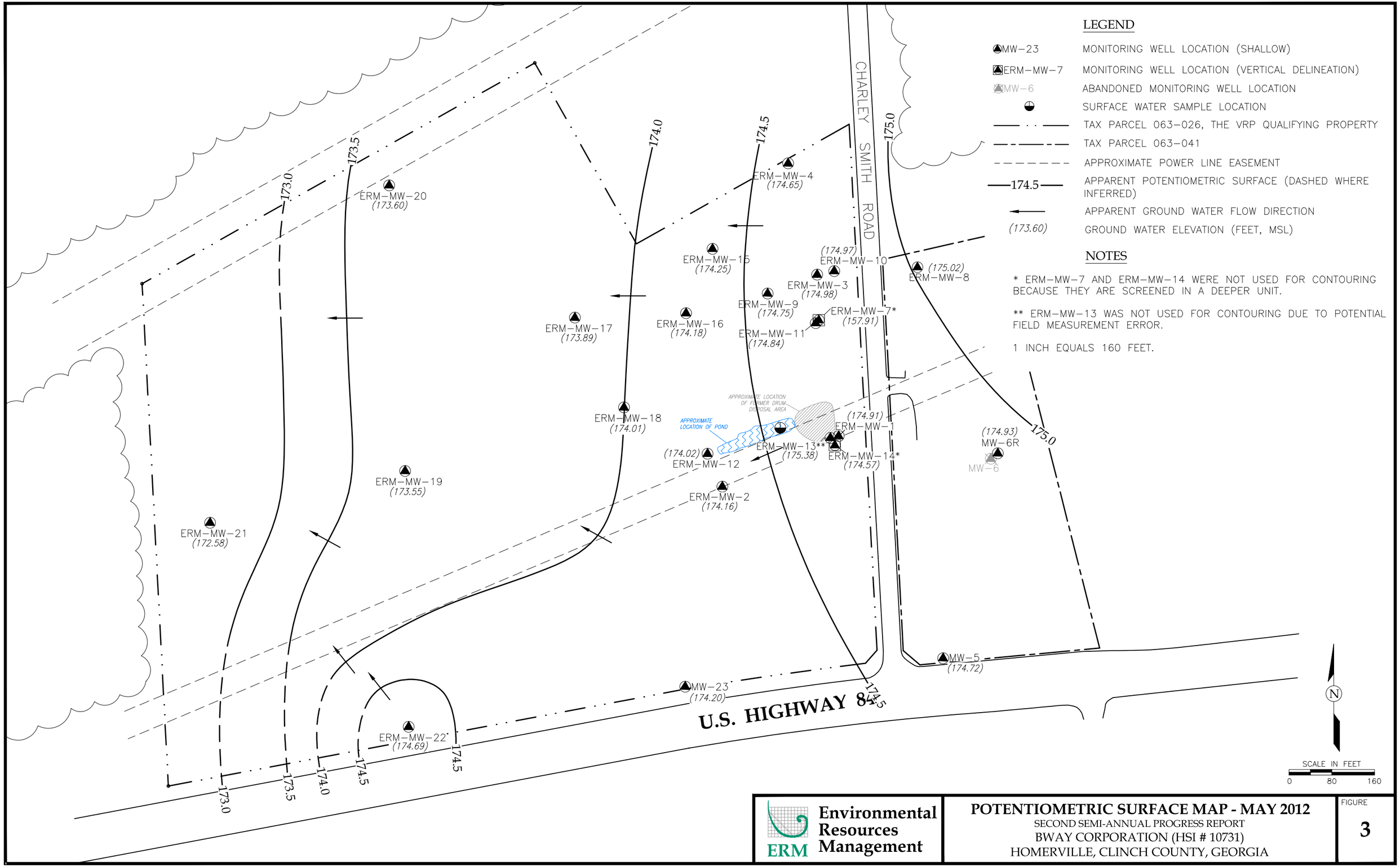


Environmental Resources Management

OCTOBER 2011 - POTENTIOMETRIC SURFACE MAP
DELINEATION UPDATE
BWAY CORPORATION (HSI # 10731)
HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE
1

121022Site.DWG 6/18/12 W NEW PROP LINES SPV REV 7/20/12



Environmental Resources Management

POTENTIOMETRIC SURFACE MAP - MAY 2012

SECOND SEMI-ANNUAL PROGRESS REPORT

BWAY CORPORATION (HSI # 10731)

HOMERVILLE, CLINCH COUNTY, GEORGIA

FIGURE

3

Appendix C

Ground Water Sampling Logs – November 2012

WATER LEVEL MEASUREMENT DATA SHEET

ERM

Client: Bway

Date: 11/12/2012

Site/Location: Homerville, GA

Sampler's Name: HOLLY / RYAN

	Well I.D.	Date	Time	Well Diameter (inches)	Depth to Water (Feet BTOC)	Total Depth (Feet BTOC)	Notes (Odor, dedicated pump present, note if lock/cap need replacement,etc.)
	ERM-MW-1	11/12/12	16:00	2"	10.70	23.51	
	ERM-MW-2	11/12/12	16:05	2"	14.45	23.79	
7	ERM-MW-3	11/12/12	17:15	2"	11.41	23.34	
	ERM-MW-4	11/12/12	14:00	2"	12.58	22.52	
	MW-5						PREVIOUSLY DARKED OVER WELL ON 11/12/12
	MW-6R	11/12/12	15:35	2"	16.90	16.97	" SAME 11/13/12
	ERM-MW-7	11/12/12	15:25	2"	25.05	52.49	
	ERM-MW-8	11/12/12	15:30	2"	11.12	22.11	
3	ERM-MW-9	11/12/12	17:05	2"	11.55	24.45	
1	ERM-MW-10	11/12/12	17:10	2"	11.75	23.06	
	ERM-MW-11	11/12/12	15:20	2"	11.56	15.22	
	ERM-MW-12	11/12/12	16:10	2"	12.35	21.70	
	ERM-MW-13	11/12/2012	15:55	2"	9.64	11.40	
	ERM-MW-14	11/12/12	15:50	2"	10.65	38.99	
	ERM-MW-15	11/12/12	15:15	2"	11.22	19.56	
2	ERM-MW-16	11/12/12	16:35	2"	11.64	23.40	
6	ERM-MW-17	11/12/12	17:00		11.86	23.05	
5	ERM-MW-18	11/12/12	16:30	2"	11.75	22.97	
	ERM-MW-19	11/12/12	16:25	2"	10.03	23.20	
4	ERM-MW-20	11/12/12	17:00	2"	10.95	23.10	
	ERM-MW-21	11/12/12	15:15	2"	8.51	20.99	
	ERM-MW-22	11/12/12	16:15	2"	7.61	21.38	
	MW-23	11/12/12	16:20	2"	10.50	23.83	

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway

Project No.: 121022

Sampling Date: 11/13/2012

Site/Location: Homerville, GA

Sampler's Name: RYAN MCILTON

Well ID: MW-3

Total Depth (ft)[1]: 22 (10-20)

Depth to Water (ft): 11.69

Well Diameter (in): 2"

Well Volume (gal) = 0.041d²h: 1.76, 6.4L

d = well diameter (inches) h = length of water column (feet)

Pump Type/Model: Peristaltic / Geopump

Tubing Material: Teflon Lined Poly

Pump Intake Depth (ft): 15

Start/Stop Purge Time: 1320

Purge Rate (L/min)[2]: .1L/MIN

Total Purge Volume (L): 2.5L

Sample Collection Time: 1350

Sample Purge Rate (L/min)[3]: .1L/MIN (SODA STRAW)

Sample ID: MW-3

QA/QC Collected? NO

QA/QC I.D. N/A

Laboratory Analyses: EPA 8260 VOA

Well Condition: GOOD

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1325	21.37	.091	.55	6.35	-72.3	2.01	.5	11.70	LOW FLOW / LOW STRESS
1330	21.37	.081	.47	6.24	-69.5	1.40	1.0	11.71	
1335	21.53	.096	.36	6.24	-89.8	.68	1.5	11.71	
1340	21.54	.099	.30	6.27	-101.1	.96	2.0	11.71	
1345	21.52	.103	.23	6.27	-88.7	.73	2.5	11.71	
1350	SAMPLES		COLLECTED						
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway
Project No.: 121022
Sampling Date: 11/13/2012
Site/Location: Homerville, GA
Sampler's Name: RYAN MCJILTON

Well ID: MW-9
Total Depth (ft)[1]: 22 (10-20)
Depth to Water (ft): 11.72
Well Diameter (in): 2"
Well Volume (gal) = 0.041d²h: 1.76, 6.4L
d = well diameter (inches) h = length of water column (feet)
Well Condition: GOOD

Pump Type/Model: Peristaltic / Geopump
Tubing Material: Teflon Lined Poly
Pump Intake Depth (ft): 15FT
Start/Stop Purge Time: 1400
Purge Rate (L/min)[2]: .1 L/MIN
Total Purge Volume (L): 4.5

Sample Collection Time: 1500
Sample Purge Rate (L/min)[3]: .1 L/MIN (SODA STRAW)
Sample ID: MW-9
QA/QC Collected? NO
QA/QC I.D. N/A
Laboratory Analyses: EPA 8260 VOA

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1415	20.67	.627	.71	6.15	-15.2	54.6	.5	11.72	LOW FLOW / LOW STRESS
1420	20.66	.648	.52	6.13	-22.3	40.1	1.0	11.72	
1425	20.64	.653	.25	6.14	-14.5	25.0	1.5	11.72	
1430	20.70	.658	.22	6.18	-14.3	17.4	2.0	11.72	
1435	20.66	.656	.18	6.14	-12.7	15.9	2.5	11.72	
1440	20.69	.625	.17	6.19	-14.7	16.7	3.0	11.72	
1445	20.72	.615	.17	6.19	-16.2	18.4	3.5	11.72	
1450	20.75	.593	.19	6.19	-16.6	17.2	4.0	11.72	
1455	20.77	.587	.17	6.19	-14.0	18.4	4.5	11.72	
1500	SAMPLES COLLECTED								
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[5]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway
Project No.: 121022
Sampling Date: 11/13/12
Site/Location: Homerville, GA
Sampler's Name: H. Bonci (HB)

Well ID: MW-15
Total Depth (ft)[1]: 19.56
Depth to Water (ft): 11.15
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 1.4
d = well diameter (inches) h = length of water column (feet)
Well Condition: good

Pump Type/Model: Peristaltic / Geopump
Tubing Material: Teflon Lined Poly
Pump Intake Depth (ft): ~ 15.5
Start/Stop Purge Time: 13:00 – 14:20
Purge Rate (L/min)[2]: 0.1
Total Purge Volume (L):
Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Sample Collection Time: 14:15
Sample Purge Rate (L/min)[3]: 0.1
Sample ID: MW-15
QA/QC Collected? No
QA/QC I.D. N/A
Laboratory Analyses: EPA 8260 VOA (short list)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
13:10	20.52	0.180	2.74	5.83	49.5	54.2	0.5	11.15	low flow/ low volume method
13:15	20.58	0.182	0.67	5.84	33.4	37.5	1.0	11.15	
13:20	20.61	0.174	0.44	5.79	38.3	17.3	1.5	11.17	
13:25	20.67	0.162	0.20	5.72	41.5	19.2	2.0	11.17	
13:30	20.67	0.152	0.21	5.65	48.9	29.2	2.5	11.17	
13:35	20.69	0.128	0.19	5.53	65.2	9.20	3.0	11.17	
13:40	20.70	0.113	0.19	5.49	74.1	5.43	3.5	11.17	
13:45	20.71	0.095	0.18	5.35	92.8	4.32	4.0	11.17	
13:50	20.71	0.094	0.16	5.34	93.9	4.21	4.5	11.17	
13:55	20.72	0.091	0.15	5.31	98.7	4.11	5.0	11.17	
14:00	20.72	0.088	0.13	5.28	102.0	4.06	5.5	11.17	
14:05	20.72	0.086	0.13	5.26	103.9	3.99	6.0	11.17	
14:10	20.72	0.085	0.12	5.26	104.6	3.82	6.5	11.17	Perameters Stable: Sample @ 14:15
14:15									
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway

Project No.: 121022

Sampling Date: 11/13/12

Site/Location: Homerville, GA

Sampler's Name: H. Bonci (HB)

Well ID: MW-16

Total Depth (ft)[1]: 23.40

Depth to Water (ft): 11.55

Well Diameter (in): 2

Well Volume (gal) = 0.041d²h: 1.9

d = well diameter (inches) h = length of water column (feet)

Well Condition: good

Pump Type/Model: Peristaltic / Geopump

Tubing Material: Teflon Lined Poly

Pump Intake Depth (ft): ~20

Start/Stop Purge Time: 0955 – 10:50

Purge Rate (L/min)[2]: 0.1 (slowest possible)

Total Purge Volume (L): ~5

Sample Collection Time: 10:45

Sample Purge Rate (L/min)[3]: 0.1

Sample ID: MW-16

QA/QC Collected? No

QA/QC I.D. N/A

Laboratory Analyses: EPA 8260 VOA

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
10:05	20.26	0.094	1.49	5.31	64.1	95.6	0.5	11.55	low flow / low volume method (pumping @ slowest speed possible)
10:10	20.41	0.092	0.72	5.31	61.9	56.7	1.0	11.56	
10:15	20.47	0.093	0.34	5.28	65.1	34.1	1.5	11.57	
10:20	20.55	0.076	0.19	5.23	92.7	26.1	2.0	11.58	
10:25	20.55	0.074	0.19	5.21	96.9	21.0	2.5	11.58	
10:30	20.55	0.072	0.17	5.19	98.2	15.7	3.0	11.58	
10:35	20.53	0.072	0.15	5.20	103.5	12.5	3.5	11.58	
10:40	20.53	0.073	0.15	5.21	107.7	9.32	4.0	11.58	peramaters stable, collect sample @ 10:45
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway
Project No.: 121022
Sampling Date: 11/13/12
Site/Location: Homerville, GA
Sampler's Name: H. Bonci

Well ID: MW-17
Total Depth (ft)[1]: 23.05
Depth to Water (ft): 11.75
Well Diameter (in): 2
Well Volume (gal) = 0.041d²h: 1.8
d = well diameter (inches) h = length of water column (feet)
Well Condition: good

Pump Type/Model: Peristaltic / Geopump
Tubing Material: Teflon Lined Poly
Pump Intake Depth (ft): ~18
Start/Stop Purge Time: 12:00 – 13:00
Purge Rate (L/min)[2]: 0.1
Total Purge Volume (L): ~4

Sample Collection Time: 12:55
Sample Purge Rate (L/min)[3]: 0.1
Sample ID: MW-17
QA/QC Collected? NO
QA/QC I.D. N/A
Laboratory Analyses: EPA 8260 VOA

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
12:10	NM						1	11.75	Silt clogs up tubing, tubing pulled, flow reversed, tubing placed back down well.
12:20	19.93	0.059	1.72	4.95	170.7	107	0.5	11.75	low flow/ low volume method.
12:25	20.03	0.059	0.96	4.93	171.1	78.7	1.0	11.75	
12:30	20.27	0.060	0.56	4.90	176.2	28.5	1.5	11.75	
12:35	20.33	0.065	0.50	4.90	176.7	10.9	2.0	11.75	
12:40	20.36	0.060	0.33	4.90	178.3	9.82	2.5	11.75	
12:45	20.40	0.060	0.25	4.89	179.1	7.16	3.0	11.75	
12:50	20.42	0.060	0.22	4.88	179.3	6.23	3.5	11.75	Parameters Stable - sample @ 12:55
12:55									
13:00									
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway

Project No.: 121022

Sampling Date: 11/13/12

Site/Location: Homerville, GA

Sampler's Name: H. Bonci (HB)

Well ID: MW-18

Total Depth (ft)[1]: 22.97

Depth to Water (ft): 11.74

Well Diameter (in): 2

Well Volume (gal) = 0.041d²h: 1.0

d = well diameter (inches) h = length of water column (feet)

Well Condition: good

Pump Type/Model: Peristaltic / Geopump

Tubing Material: Teflon Lined Poly

Pump Intake Depth (ft): ~18

Start/Stop Purge Time: 10:55 - 11:45

Purge Rate (L/min)[2]: 0.1

Total Purge Volume (L): ~4

Sample Collection Time: 11:40

Sample Purge Rate (L/min)[3]: 0.1

Sample ID: MW-18

*QA/QC Collected? DUP collected @ 24:00

QA/QC I.D. DUP-01

Laboratory Analyses: EPA 8260 VOA (short list)

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
11:05	20.15	0.058	219	5.25	132.1	~~10.55~~ 48.4	0.5	11.74	low flow/ low volume method
11:10	20.13	0.064	0.86	5.31	124.6	46.5	1.0	11.74	
11:15	20.21	0.066	0.38	5.50	108.5	28.0	1.5	11.74	
11:20	20.24	0.073	0.30	5.52	100.7	21.8	2.0	11.74	
11:25	20.29	0.080	0.22	5.55	86.6	14.3	2.5	11.74	
11:30	20.30	0.081	0.16	5.58	81.3	6.94	3.0	11.74	
11:35	20.29	0.081	0.15	5.59	80.7	5.46	3.5	11.74	Parameters Stable - Sample @ 11:40 Collect DUP-01*
11:40									
11:45									
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway

Project No.: 121022

Sampling Date: 11/13/2012

Site/Location: Homerville, GA

Sampler's Name: RYAN MCJILTON

Well ID: MW-19

Total Depth (ft)[1]: 20.9 (16-19.6)

Depth to Water (ft): 9.45

Well Diameter (in): 2"

Well Volume (gal) = 0.041d²h: 1.86 = 6.9L

d = well diameter (inches) h = length of water column (feet)

Pump Type/Model: Peristaltic / Geopump

Tubing Material: Teflon Lined Poly

Pump Intake Depth (ft): 14.6

Start/Stop Purge Time: 1125

Purge Rate (L/min)[2]: .1L/MIN

Total Purge Volume (L): 2.5L

Sample Collection Time: 1155

Sample Purge Rate (L/min)[3]: .1L/MIN (SODA STRAW)

Sample ID: MW-19

QA/QC Collected? NO

QA/QC I.D. N/A

Laboratory Analyses: EPA 8260 VOA

Well Condition: Good

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (Inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
1130	20.09	.046	3.04	5.96	1.7	9.95	.5	9.86	LOW FLOW / LOW STRESS
1135	20.24	.047	2.72	5.96	-2.7	4.30	1.0	9.86	
1140	20.34	.046	2.52	5.93	-5.1	4.35	1.5	9.86	
1145	20.41	.046	1.61	5.89	-7.7	2.40	2.0	9.86	
1150	20.43	.046	1.41	5.84	-12.4	2.51	2.5	9.86	
1155	SAMPLES		COLLE	CTED					
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
(2) - Purge rate to be 0.5 lpm or less.
(3) - Sampling rate to be 0.25 lpm or less.
(4) - Field parameter measurements to be recorded every 3 to 5 minutes.
(5) - Stabilization criteria based on three most recent consecutive measurements.
(6) - Monitor DTW every 5 min. Well drawdown to be 0.3 ft or less. Purge/sampling rate to be lowered as necessary to keep drawdown below 0.3 ft.
(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway

Project No.: 121022

Sampling Date: 11/13/12

Site/Location: Homerville, GA

Sampler's Name: H. Bond (HB)

Well ID: MW-20

Pump Type/Model: Peristaltic / Geopump

Sample Collection Time: 15:25

Total Depth (ft)[1]:

Tubing Material: Teflon Lined Poly

Sample Purge Rate (L/min)[3]: 0.1

Depth to Water (ft): 10.99

Pump Intake Depth (ft): ~18

Sample ID: MW-20

Well Diameter (in): 2

Start/Stop Purge Time: 14:25 - 15:30

QA/QC Collected? No

Well Volume (gal) = $0.041d^2h$: 2

Purge Rate (L/min)[2]: 0.1

QA/QC I.D. N/A

d = well diameter (inches) h = length of water column (feet)

Total Purge Volume (L):

Laboratory Analyses: EPA 8260 VOA

Well Condition: good

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
14:30	20.82	0.035	3.26	5.34	112.3	99.2	0.5	10.99	low-flow/low volume method
14:35	20.88	0.035	1.62	5.29	113.1	59.9	1.0	10.99	pumping @
14:40	21.00	0.034	0.98	5.27	114.5	43.2	1.5	10.99	
14:45	20.92	0.035	0.65	5.23	109.6	24.7	2.0	10.99	
14:50	20.91	0.033	0.54	5.21	106.5	25.2	2.5	10.99	
14:55	20.95	0.032	0.51	5.18	106.3	18.9	3.0	10.99	
15:00	20.99	0.032	0.50	5.16	111.9	15.3	3.5	10.99	
15:05	20.94	0.034	0.47	5.13	115.6	15.2	4.0	10.99	
15:10	20.99	0.032	0.45	5.11	107.3	12.2	4.5	10.99	
15:15	20.92	0.031	0.48	5.09	116.2	11.6	5.0	10.99	
15:20	20.91	0.031	0.50	5.07	118.5	9.44	5.5	10.99	Parameters Stable - Sample @ 15:25
15:25									
15:30									
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[4]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
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(7) - DO is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.
(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

ERM

GROUND WATER SAMPLING LOG SHEET

Client: Bway

Project No.: 121022

Sampling Date: 11/13/2012

Site/Location: Homerville, GA

Sampler's Name: RYAN MCDILTON

Well ID: MW-21

Total Depth (ft)[1]: 20.99 (10-20)

Depth to Water (ft): 8.56

Well Diameter (in): 2"

Well Volume (gal) = 0.041d²h: 2.16 = 7.7 L

d = well diameter (inches) h = length of water column (feet)

Well Condition: GOOD

Pump Type/Model: Peristaltic / Geopump

Tubing Material: Teflon Lined Poly

Pump Intake Depth (ft): 15 (CHANGED WATER COLUMN)

Start/Stop Purge Time: 0910

Purge Rate (L/min)[2]: .1 L/MIN - .5 L/MIN

Total Purge Volume (L): 26.5

Sampling Method (check all that apply): X soda straw (VOCs) ☐ vacuum jug (SVOCs) ☐ pump head discharge (inorganics including cyanide) ☐ Bladder pump = pump discharge (all analytes) ☐ Bailer (only used if necessary)

Sample Collection Time: 1040

Sample Purge Rate (L/min)[3]: .1 L/MIN

Sample ID: MW-21

QA/QC Collected? NO

QA/QC I.D. N/A

Laboratory Analyses: EPA 8260 VOA

Time	Temp. (°C)	Spec. Cond. (mS/cm)	DO (mg/L)	pH (SU)	ORP (mV)	Turbidity (NTUs)	Purge Volume (L)	H_2O Depth (ft)	Notes (Water clarity, odor, purge rate, issues with pump/well/weather/etc.)
0915	19.54	.144	.77	6.73	-120.1	DRY	.5	9.21	LOW FLOW / LOW STRESS
0920	19.56	.154	.42	6.69	-119.0	413	1.0	9.28	
0925	19.67	.087	1.67	6.26	-72.3	405	1.5	9.51	SWAP TO 3X WELL VOLUMES DUE TO
									EXCESSIVE DRAWDOWN - FLOW TO .5L/MIN
0938	19.86	.079	1.03	6.12	-52.3	232	8.0	9.97	1X WELL VOLUME
0954	19.88	.086	.51	6.14	-47.5	259	16.0	10.23	2X WELL VOLUME
1010	19.85	.091	.37	6.15	-49.1	231	24.0	10.35	3X WELL VOLUME, FLOW TO .1L/MIN
1015	19.81	.092	.34	6.17	-50.1	234	24.5	10.38	
1020	19.79	.092	.32	6.16	-47.6	232	25.0	10.41	
1025	19.77	.093	.29	6.16	-49.2	239	25.5	10.43	
1030	19.75	.092	.35	6.16	-50.4	238	26	10.45	
1035	19.74	.092	.37	6.16	-51.6	241	26.5	10.47	
1040	- SAMPLES COLLECTED AFTER 3X WELL VOLUMES + OTHER PARAMETERS STABILIZED.								
	- TURBIDITY WOULD NOT DECREASE, BUT WAS WITHIN 10%.								
Stabilizing Criteria[5]	+/- 1°C	+/- 3%	+/- 10% (see note below)[7]	+/- 0.1 unit	+/- 10 mV (see note below)[8]	+/- 10% or <10 NTUs	(see note below)[6]	(see note below)[6]	

(1) - Do not measure depth to bottom of well until after purging and sampling to reduce resuspending fines that may be resting on the well bottom.
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(8) - ORP is not a stabilization criterion for the "Groundwater sampling" SESD Standard Operating Procedure.

Appendix D

Ground Water Analytical Data Reports – November 2012

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

Laboratory Report

Prepared For:

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta, GA 30339

Attention: Ms. Shanna Thompson

Report Number: AVK0466
November 17, 2012
Project: BWAY/GA
Project #:[none]

We appreciate the opportunity to provide the analytical support for your project. The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Approved:

Judy Wagner
Project Manager

This report may not be reproduced, except in full, without written approval from Analytical Services, Inc.
Analytical Services, Inc. certifies that the following analytical results meet all requirements of the National Environmental Laboratory Accreditation Conference(NELAC).
All test results relate only to the samples analyzed.

ASI

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	AVK0466-01	Ground Water	11/13/12 13:50	11/14/12 15:00
MW-9	AVK0466-02	Ground Water	11/13/12 15:00	11/14/12 15:00
MW-15	AVK0466-03	Ground Water	11/13/12 14:15	11/14/12 15:00
MW-16	AVK0466-04	Ground Water	11/13/12 10:45	11/14/12 15:00
MW-17	AVK0466-05	Ground Water	11/13/12 12:55	11/14/12 15:00
MW-18	AVK0466-06	Ground Water	11/13/12 11:40	11/14/12 15:00
MW-19	AVK0466-07	Ground Water	11/13/12 11:55	11/14/12 15:00
MW-20	AVK0466-08	Ground Water	11/13/12 15:25	11/14/12 15:00
MW-21	AVK0466-09	Ground Water	11/13/12 10:40	11/14/12 15:00
Duplicate-01	AVK0466-10	Ground Water	11/13/12 00:00	11/14/12 15:00
Trip Blank	AVK0466-11	Water	11/13/12 00:00	11/14/12 15:00

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-3
Date/Time Sampled: 11/13/2012 1:50:00PM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-01
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
Ethylbenzene	88	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
Isopropylbenzene	36	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
Naphthalene	130	50	ug/L	EPA 8260B		5	11/15/12 10:00	11/15/12 11:48	2110336	GM
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
Xylenes, total	65	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:28	2110336	GM
Surrogate: Dibromofluoromethane	*96 %*	*75-123*		*EPA 8260B*			*11/15/12 10:00*	*11/15/12 11:48*	*2110336*	
Surrogate: Dibromofluoromethane	*97 %*	*75-123*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:28*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*95 %*	*72-120*		*EPA 8260B*			*11/15/12 10:00*	*11/15/12 11:48*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*98 %*	*72-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:28*	*2110336*	
Surrogate: Toluene-d8	*101 %*	*75-120*		*EPA 8260B*			*11/15/12 10:00*	*11/15/12 11:48*	*2110336*	
Surrogate: Toluene-d8	*101 %*	*75-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:28*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*99 %*	*80-120*		*EPA 8260B*			*11/15/12 10:00*	*11/15/12 11:48*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:28*	*2110336*	

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-9
Date/Time Sampled: 11/13/2012 3:00:00PM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-02
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
1,1-Dichloroethene	7.8	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Vinyl Chloride	12	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 18:56	2110336	GM
Surrogate: Dibromofluoromethane	*96 %*	*75-123*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:56*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*92 %*	*72-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:56*	*2110336*	
Surrogate: Toluene-d8	*101 %*	*75-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:56*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 18:56*	*2110336*	

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-15
Date/Time Sampled: 11/13/2012 2:15:00PM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-03
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
1,1-Dichloroethene	3.0	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:25	2110336	GM
Surrogate: Dibromofluoromethane	*97 %*	*75-123*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:25*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*95 %*	*72-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:25*	*2110336*	
Surrogate: Toluene-d8	*102 %*	*75-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:25*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:25*	*2110336*	

ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-16
Date/Time Sampled: 11/13/2012 10:45:00AM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-04
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
1,1-Dichloroethene	6.0	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Vinyl Chloride	6.4	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 19:53	2110336	GM
Surrogate: Dibromofluoromethane	*96 %*	*75-123*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:53*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*95 %*	*72-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:53*	*2110336*	
Surrogate: Toluene-d8	*101 %*	*75-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:53*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 19:53*	*2110336*	

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Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-17
Date/Time Sampled: 11/13/2012 12:55:00PM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-05
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
1,1-Dichloroethene	26	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Vinyl Chloride	15	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:22	2110336	GM
Surrogate: Dibromofluoromethane	*97 %*	*75-123*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:22*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*94 %*	*72-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:22*	*2110336*	
Surrogate: Toluene-d8	*102 %*	*75-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:22*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:22*	*2110336*	

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Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-18
Date/Time Sampled: 11/13/2012 11:40:00AM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-06
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	28	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
1,1-Dichloroethene	31	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Vinyl Chloride	13	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 20:50	2110336	GM
Surrogate: Dibromofluoromethane	*96 %*	*75-123*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:50*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*93 %*	*72-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:50*	*2110336*	
Surrogate: Toluene-d8	*101 %*	*75-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:50*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*80-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 20:50*	*2110336*	

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November 17, 2012

Report No.: AVK0466
Client ID: MW-19
Date/Time Sampled: 11/13/2012 11:55:00AM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-07
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
1,1-Dichloroethene	47	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/14/12 17:30	11/14/12 21:18	2110336	GM
Surrogate: Dibromofluoromethane	*96 %*	*75-123*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 21:18*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*93 %*	*72-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 21:18*	*2110336*	
Surrogate: Toluene-d8	*100 %*	*75-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 21:18*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*101 %*	*80-120*		*EPA 8260B*			*11/14/12 17:30*	*11/14/12 21:18*	*2110336*	

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Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-20
Date/Time Sampled: 11/13/2012 3:25:00PM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-08
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
1,1-Dichloroethene	13	2.0	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Ethylbenzene	11	2.0	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Toluene	30	2.0	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/14/12 12:30	11/14/12 21:46	2110336	GM
Surrogate: Dibromofluoromethane	*97 %*	*75-123*		*EPA 8260B*			*11/14/12 12:30*	*11/14/12 21:46*	*2110336*	
Surrogate: 1,2-Dichloroethane-d4	*94 %*	*72-120*		*EPA 8260B*			*11/14/12 12:30*	*11/14/12 21:46*	*2110336*	
Surrogate: Toluene-d8	*100 %*	*75-120*		*EPA 8260B*			*11/14/12 12:30*	*11/14/12 21:46*	*2110336*	
Surrogate: 4-Bromofluorobenzene	*102 %*	*80-120*		*EPA 8260B*			*11/14/12 12:30*	*11/14/12 21:46*	*2110336*	

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110 Technology Parkway, Norcross, GA 30092
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Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: MW-21
Date/Time Sampled: 11/13/2012 10:40:00AM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-09
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
1,1-Dichloroethene	15	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 16:58	2110370	CJH
Surrogate: Dibromofluoromethane	*78 %*	*75-123*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 16:58*	*2110370*	
Surrogate: 1,2-Dichloroethane-d4	*78 %*	*72-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 16:58*	*2110370*	
Surrogate: Toluene-d8	*105 %*	*75-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 16:58*	*2110370*	
Surrogate: 4-Bromofluorobenzene	*117 %*	*80-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 16:58*	*2110370*	

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Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: Duplicate-01
Date/Time Sampled: 11/13/2012 12:00:00AM
Matrix: Ground Water

Project: BWAY/GA
Lab Number ID: AVK0466-10
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	34	5.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
1,1-Dichloroethene	32	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Vinyl Chloride	15	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:27	2110370	CJH
Surrogate: Dibromofluoromethane	*100 %*	*75-123*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:27*	*2110370*	
Surrogate: 1,2-Dichloroethane-d4	*96 %*	*72-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:27*	*2110370*	
Surrogate: Toluene-d8	*101 %*	*75-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:27*	*2110370*	
Surrogate: 4-Bromofluorobenzene	*93 %*	*80-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:27*	*2110370*	

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Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466
Client ID: Trip Blank
Date/Time Sampled: 11/13/2012 12:00:00AM
Matrix: Water

Project: BWAY/GA
Lab Number ID: AVK0466-11
Date/Time Received: 11/14/2012 3:00:00PM

Analyte	Result	RL	Units	Method	Qual.	DF	Preparation Date	Analytical Date	Batch	Init.
Volatile Organic Compounds by EPA 8260										
Chloroethane	ND	5.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
1,1-Dichloroethene	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Ethylbenzene	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Isopropylbenzene	ND	10	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Naphthalene	ND	10	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Toluene	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
1,1,1-Trichloroethane	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Vinyl Chloride	ND	2.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Xylenes, total	ND	5.0	ug/L	EPA 8260B		1	11/15/12 14:00	11/15/12 17:55	2110370	CJH
Surrogate: Dibromofluoromethane	*106 %*	*75-123*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:55*	*2110370*	
Surrogate: 1,2-Dichloroethane-d4	*112 %*	*72-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:55*	*2110370*	
Surrogate: Toluene-d8	*97 %*	*75-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:55*	*2110370*	
Surrogate: 4-Bromofluorobenzene	*98 %*	*80-120*		*EPA 8260B*			*11/15/12 14:00*	*11/15/12 17:55*	*2110370*	

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ANALYTICAL SERVICES, INC.

Environmental Monitoring & Laboratory Analysis
110 Technology Parkway, Norcross, GA 30092
(770) 734-4200 FAX (770) 734-4201

ERM
3200 Windy Hill Road, Suite 1500W
Atlanta GA, 30339
Attention: Ms. Shanna Thompson

November 17, 2012

Report No.: AVK0466

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2110336 - EPA 5030B										
Blank (2110336-BLK1)					Prepared & Analyzed: 11/14/12					
Chloroethane	ND	5.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Isopropylbenzene	ND	10	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Naphthalene	ND	10	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*96*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*46*		*ug/L*	*50.000*		*92*	*72-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*52*		*ug/L*	*50.000*		*103*	*80-120*			
Blank (2110336-BLK2)					Prepared & Analyzed: 11/15/12					
Chloroethane	ND	5.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Isopropylbenzene	ND	10	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Naphthalene	ND	10	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*96*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*48*		*ug/L*	*50.000*		*95*	*72-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*52*		*ug/L*	*50.000*		*103*	*80-120*			

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2110336 - EPA 5030B										
LCS (2110336-BS1)					Prepared & Analyzed: 11/14/12					
Benzene	48		ug/L	50.000		95	80-120			
Chlorobenzene	51		ug/L	50.000		102	80-120			
1,1-Dichloroethene	53		ug/L	50.000		106	77-121			
Toluene	47		ug/L	50.000		94	78-120			
Trichloroethene	51		ug/L	50.000		102	80-122			
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*96*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*46*		*ug/L*	*50.000*		*92*	*72-120*			
Surrogate: Toluene-d8	*51*		*ug/L*	*50.000*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Matrix Spike (2110336-MS1)		**Source: AVK0412-03**			Prepared & Analyzed: 11/14/12					
Benzene	47		ug/L	50.000	ND	94	80-123			
Chlorobenzene	49		ug/L	50.000	ND	97	75-120			
1,1-Dichloroethene	51		ug/L	50.000	ND	103	80-120			
Toluene	46		ug/L	50.000	ND	92	80-120			
Trichloroethene	51		ug/L	50.000	ND	102	80-125			
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*96*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*47*		*ug/L*	*50.000*		*94*	*72-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*101*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.000*		*102*	*80-120*			
Matrix Spike Dup (2110336-MSD1)		**Source: AVK0412-03**			Prepared & Analyzed: 11/14/12					
Benzene	47		ug/L	50.000	ND	93	80-123	1	9	
Chlorobenzene	48		ug/L	50.000	ND	97	75-120	0.6	13	
1,1-Dichloroethene	52		ug/L	50.000	ND	103	80-120	0.6	9	
Toluene	46		ug/L	50.000	ND	91	80-120	1	9	
Trichloroethene	50		ug/L	50.000	ND	100	80-125	1	11	
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*97*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*48*		*ug/L*	*50.000*		*95*	*72-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*100*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*51*		*ug/L*	*50.000*		*102*	*80-120*			

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2110370 - EPA 5030B										
Blank (2110370-BLK1)					Prepared & Analyzed: 11/15/12					
Chloroethane	ND	5.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Isopropylbenzene	ND	10	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Naphthalene	ND	10	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*96*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*49*		*ug/L*	*50.000*		*97*	*72-120*			
Surrogate: Toluene-d8	*48*		*ug/L*	*50.000*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Blank (2110370-BLK2)					Prepared & Analyzed: 11/16/12					
Chloroethane	ND	5.0	ug/L							
1,1-Dichloroethene	ND	2.0	ug/L							
Ethylbenzene	ND	2.0	ug/L							
Isopropylbenzene	ND	10	ug/L							
Methyl Ethyl Ketone (2-Butanone)	ND	100	ug/L							
Naphthalene	ND	10	ug/L							
Toluene	ND	2.0	ug/L							
1,1,1-Trichloroethane	ND	2.0	ug/L							
Vinyl Chloride	ND	2.0	ug/L							
Xylenes, total	ND	5.0	ug/L							
Surrogate: Dibromofluoromethane	*49*		*ug/L*	*50.000*		*97*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*52*		*ug/L*	*50.000*		*103*	*72-120*			
Surrogate: Toluene-d8	*49*		*ug/L*	*50.000*		*98*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*101*	*80-120*			

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Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2110370 - EPA 5030B										
LCS (2110370-BS1)					Prepared & Analyzed: 11/15/12					
Benzene	50		ug/L	50.000		99	80-120			
Chlorobenzene	47		ug/L	50.000		94	80-120			
1,1-Dichloroethene	54		ug/L	50.000		108	77-121			
Toluene	47		ug/L	50.000		94	78-120			
Trichloroethene	49		ug/L	50.000		98	80-122			
Surrogate: Dibromofluoromethane	*48*		*ug/L*	*50.000*		*96*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*48*		*ug/L*	*50.000*		*97*	*72-120*			
Surrogate: Toluene-d8	*48*		*ug/L*	*50.000*		*96*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*49*		*ug/L*	*50.000*		*98*	*80-120*			
Matrix Spike (2110370-MS1)		**Source: AVK0474-01**			Prepared & Analyzed: 11/15/12					
Benzene	49		ug/L	50.000	0.2	97	80-123			
Chlorobenzene	47		ug/L	50.000	ND	94	75-120			
1,1-Dichloroethene	53		ug/L	50.000	ND	106	80-120			
Toluene	49		ug/L	50.000	ND	97	80-120			
Trichloroethene	49		ug/L	50.000	ND	98	80-125			
Surrogate: Dibromofluoromethane	*47*		*ug/L*	*50.000*		*95*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*50*		*ug/L*	*50.000*		*100*	*72-120*			
Surrogate: Toluene-d8	*50*		*ug/L*	*50.000*		*99*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*50*		*ug/L*	*50.000*		*101*	*80-120*			
Matrix Spike Dup (2110370-MSD1)		**Source: AVK0474-01**			Prepared & Analyzed: 11/15/12					
Benzene	39		ug/L	50.000	0.2	79	80-123	21	9	QM-06
Chlorobenzene	46		ug/L	50.000	ND	93	75-120	1	13	
1,1-Dichloroethene	52		ug/L	50.000	ND	104	80-120	2	9	
Toluene	44		ug/L	50.000	ND	87	80-120	11	9	QR-02
Trichloroethene	45		ug/L	50.000	ND	91	80-125	8	11	
Surrogate: Dibromofluoromethane	*44*		*ug/L*	*50.000*		*87*	*75-123*			
Surrogate: 1,2-Dichloroethane-d4	*42*		*ug/L*	*50.000*		*84*	*72-120*			
Surrogate: Toluene-d8	*51*		*ug/L*	*50.000*		*102*	*75-120*			
Surrogate: 4-Bromofluorobenzene	*43*		*ug/L*	*50.000*		*87*	*80-120*			

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November 17, 2012

Laboratory Certifications

Code	Description	Number	Expires
LA	Louisiana	02069	06/30/2013
NC	North Carolina	381	12/31/2012
NELAC	NELAC (Non-Potable Water, Solids)	E87315	06/30/2013
SC	South Carolina	98011001	06/30/2013
TX	Texas	T104704397-08-TX	03/31/2013
VA	Virginia	1340	12/14/2012

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November 17, 2012

Legend

Definition of Laboratory Terms

ND - None Detected at the Reporting Limit
TIC - Tentatively Identified Compound
CFU - Colony Forming Units
SOP - Method run per ASI Standard Operating Procedure
RL - Reporting Limit
DF - Dilution Factor
***** - Analyte not included in the NELAC list of certified analytes.

Sample Information

N-Nitrosodiphenylamine breaks down to diphenylamine in the GCMS; both analytes are reported as N-Nitrososdiphenylamine. ASI is not NELAC certified for diphenylamine.

Phthalic acid and phthalic anhydride are reported as dimethyl phthalate

Maleic acid and maleic anhydride are reported as dimethyl malate

1,2-Diphenylhydrazine breaks down to azobenzene in the GCMS; both analytes are reported as azobenzene

Definition of Qualifiers

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries.

QM-06 Due to suspected matrix interference, RPD and Percent Recovery values for the MS and/or MSD were outside control limits. Sample results for the QC batch were accepted based on acceptable LCS recoveries.

Note: Unless otherwise noted, all results are reported on an as received basis.

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November 17, 2012

211022

CHAIN OF CUSTODY RECORD

ASI ANALYTICAL SERVICES, INC.
ENVIRONMENTAL MONITORING & LABORATORY ANALYSIS
110 TECHNOLOGY PARKWAY NORCROSS, GA 30092
(770) 734-4200 : FAX (770) 734-4201 : www.asi-lab.com

PAGE: 1 OF 1

CLIENT NAME: ERM
CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 3200 Windy Hill Rd Suite 1500W Atlanta, GA
REPORT TO: amy.grisnold@erm.com
CC:
REQUESTED COMPLETION DATE:
PO #: 0121072
PROJECT NAME/STATE: BNAY - Homerville, GA
PROJECT #:

ANALYSIS REQUESTED

DATE	TIME	MATRIX CODE*	COMPOSITE/GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	VOCs (8260) Short List*	VOCs (8260) Short List*	REMARKS/ADDITIONAL INFORMATION
11/13/12	1350	GW	X	MW-3	3	1	2	VOCs (8260) Short List*
11/13/12	1500	GW	X	MW-9	3	1	2	*Chloroethene
11/13/12	14:15	GW	X	MW-15	3	1	2	Ethylbenzene
11/13/12	10:45	GW	X	MW-16	3	1	2	Isopropylbenzene
11/13/12	12:55	GW	X	MW-17	3	1	2	1,1-dichloroethene
11/13/12	11:40	GW	X	MW-18	3	1	2	Naphthalene
11/13/12	11:55	GW	X	MW-19	3	1	2	Toluene
11/13/12	15:25	GW	X	MW-20	3	1	2	1,1,1-trichloroethane
11/13/12	10:40	GW	X	MW-21	3	1	2	Vinyl chloride
11/13/12	24:00	GW	X	DUP-01	3	1	2	Xylenes, total
11/13/12	00:00	W	X	Trip Blank	3			(Trip Blank)

CONTAINER TYPE: P - PLASTIC; A - AMBER GLASS; G - CLEAR GLASS; V - VOA VIAL; S - STERILE; O - OTHER

PRESERVATION: 1 - HCl, 4°; 2 - H2SO4, 4°; 3 - HNO3, 4°; 4 - NaOH, 4°; 5 - NaOH/ZnAc, 4°; 6 - Na2S2O3, 4°; 7 - 4°

*MATRIX CODES: DW - DRINKING WATER; WW - WASTEWATER; GW - GROUNDWATER; SW - SURFACE WATER; ST - STORM WATER; W - WATER; S - SOIL; SL - SLUDGE; SD - SOLID; A - AIR; L - LIQUID; P - PRODUCT

SAMPLED BY AND TITLE: Haley Bond, Environmental Tech DATE/TIME: 11/13/12
RELINQUISHED BY: DATE/TIME: 11/14/12, 1500
RECEIVED BY: DATE/TIME:
RELINQUISHED BY: DATE/TIME:
RECEIVED BY LAB: DATE/TIME: 11/14/12 1800
pH: Acidified Preserved: Ice: Yes or No
SAMPLE SHIPPED VIA: UPS FED-EX COURIER CLIENT OTHER:
Temperature: 1°C Custody Seal: Intact Broken Missing Cooler #:
Please use Black Ink to complete form.

FOR LAB USE ONLY
LAB #: AVK0466
In-house location: V
Entered into LIMS: MP

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LOG-IN CHECKLIST **Printed: 11/17/2012 10:00:54AM**

Attn: Ms. Shanna Thompson

Client: ERM
Project: BWAY/GA
Date Received: 11/14/12 15:00

Work Order: AVK0466
Logged In By: Mohammad M. Rahman

OBSERVATIONS

#Samples: 11 **#Containers:** 33

Minimum Temp(C): 1.0 **Maximum Temp(C):** 1.0 **Custody Seal(s) Used:** No

CHECKLIST ITEMS

COC included with Samples	YES
Sample Container(s) Intact	YES
Chain of Custody Complete	YES
Sample Container(s) Match COC	YES
Custody seal Intact	NO
Temperature in Compliance	YES
Sufficient Sample Volume for Analysis	YES
Zero Headspace Maintained for VOA Analyses	YES
Samples labeled preserved (If Applicable)	YES
Samples received within Allowable Hold Times	YES
Samples Received on Ice	YES
Preservation Confirmed	YES

Comments: