ERM NC, PC

8000 Corporate Center Drive
Suite 200
Charlotte, NC 28226
(704) 541-8345
(704) 541-8416 (fax)

December 6, 2007

Mr. Bob Glaser
North Carolina DENR
Division of Waste Management
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605
919-508-8541

Re: Submittal of Annual Monitoring Report
Seaboard Chemical Corp./Riverdale Drive Landfill Site
Jamestown, North Carolina

Via Federal Express

Dear Bob:

On behalf of the Seaboard Group II and the City of High Point, ERM is submitting the following document for your review:

- *Annual Monitoring Report – September 2007* (one bound copy)

Please contact Jim LaRue if there are any questions or comments.

Sincerely,

Thomas M Wilson

Thomas M. Wilson, P.G.

Cc: Amos Dawson
Jim LaRue
Chris Thompson
Steve Earp
Gary Babb
Randy Smith

tom/seaboard/reports/transmittal letter to NCDWM 1207

ERM NC, PC

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(704) 541-8416 (fax)

December 6, 2007

Mr. Amos Dawson
Maupin Taylor & Ellis
3200 Beech Leaf Court
Raleigh, North Carolina 27604-1064
919-981-4010

Re: Annual Monitoring Report – September 2007
Seaboard Chemical Corporation/
City of High Point Riverdale Drive Landfill Site
Jamestown, North Carolina

Via Federal Express

Dear Amos:

ERM is transmitting two (2) copies of the referenced final report. ERM has transmitted a copy directly to Bob Glaser of the NCDWM. A copy of the transmittal letter is enclosed. Please contact me or Jim Larue if you have any questions.

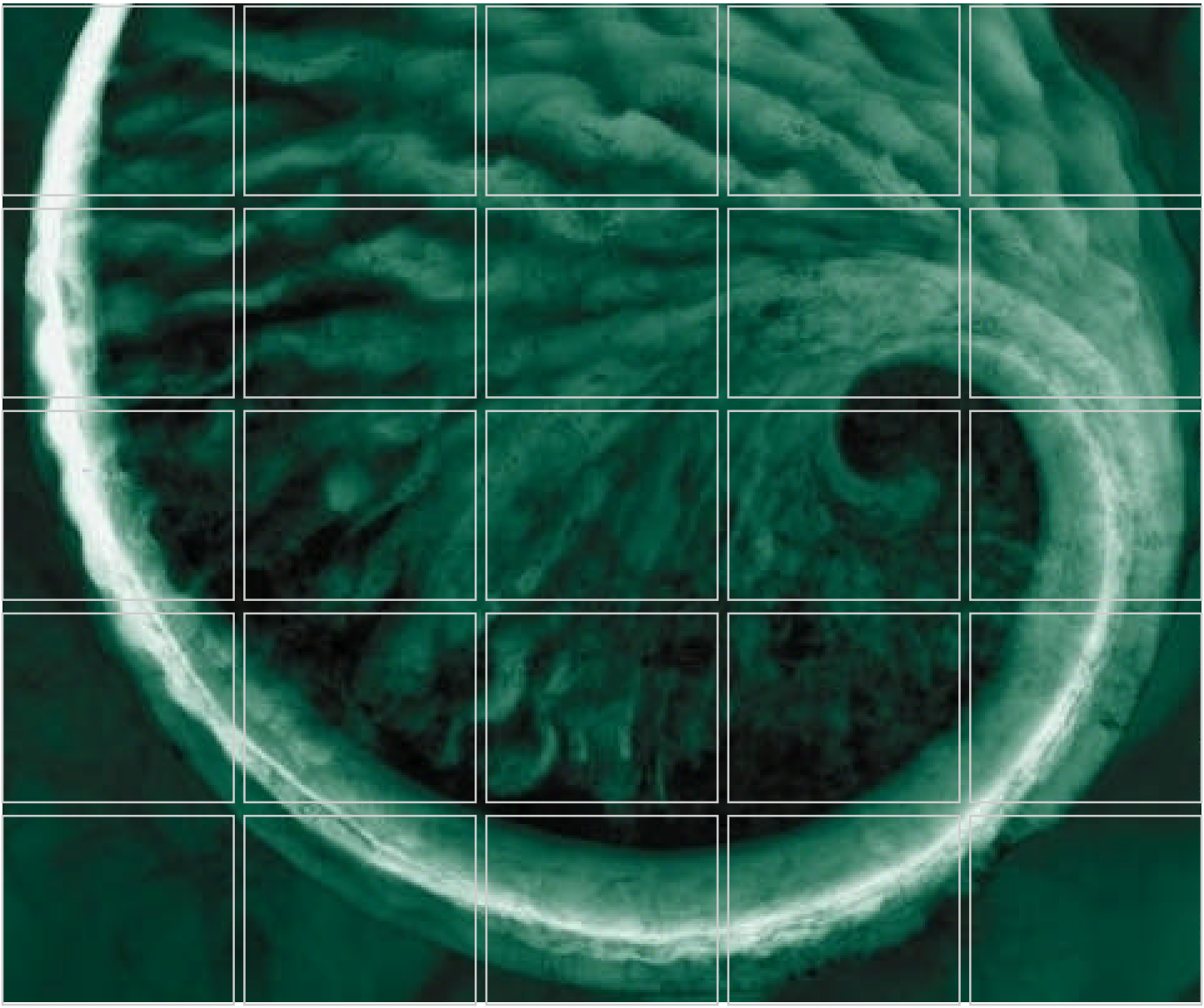
Sincerely,

Thomas M Wilson

Thomas M. Wilson, P.G.
Principal

Cc: Jim Larue

/tom/seaboard/reports/routine monitoring/transltr adawson 1207



Seaboard Group II and City of High Point, North Carolina

Annual Monitoring Report - September 2007

Former Seaboard Chemical/Riverdale Drive Landfill Site

Jamestown, North Carolina

December 6, 2007

Delivering sustainable solutions in a more competitive world

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Seaboard Group II and City of High Point, North Carolina

Annual Monitoring Report – September 2007

Former Seaboard Chemical/Riverdale Drive Landfill Site

Jamestown, North Carolina

December 6, 2007

Thomas M. Wilson, P.G.
Principal

Alan Martin, P.G.
Project Manager

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NORTH CAROLINA LICENSED SEAL 1113 GEOLOGIST THOMAS M. WILSON

12-6-07

ERM

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1.0 INTRODUCTION

Ground water and surface water monitoring activities were conducted at the Seaboard Chemical/Riverdale Drive Landfill site during September 2007. A site location map and site map are presented in Figure 1 and Figure 2, respectively. The work was performed by ERM NC, PC and Babb & Associates on behalf of the Seaboard Group II and the City of High Point. The activities were conducted in accordance with the scope of work described in the *2007 Annual Monitoring Program*, dated August 30, 2007. The scope of work and results presented in this report supplement the initial Remedial Investigation which was conducted at the site from 1996 to 1998, and previous supplemental RI and annual monitoring activities which were conducted at the site from 2000 to 2006. The remedial investigation and monitoring activities were conducted under an Administrative Order on Consent (AOC), dated June 30, 1996, with the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management.

2.0 ANNUAL GROUND WATER & SURFACE WATER MONITORING

The annual ground water and surface water monitoring program was conducted at the Seaboard Chemical and Riverdale Drive Landfill Site during the period of September 24-27, 2007. Historically, the annual monitoring program has included sampling and flow discharge measurements in the Deep River located adjacent to the site. However, with the impoundment of the Deep River in 2006 by Randleman Lake Dam downstream of the site, the surface water conditions have changed from free flowing river to impounded reservoir. Accordingly, the former Deep River is now referred to as Randleman Lake in this report.

The primary objectives of the ground water and surface water monitoring program are:

- Monitor VOC concentrations and migration of the VOC-affected ground water at the Site;

- Monitor ground water and surface water elevations, hydraulic gradients and flow directions; and

- Monitor surface water quality in Randleman Lake (formerly the Deep River), Northern Intermittent Stream and Southern Intermittent Stream to assess potential impacts from VOC-affected ground water discharge.

In accordance with the monitoring plan, ground water sampling was conducted at 10 off-site monitor wells (PW-12I, PW-14S, PW-14D, PW-15S, PW-15D, PW-16S, PW-16D, PW-17, PW-18 & PW-19). Surface water sampling was also conducted at a total of 9 surface water stations including 1 station on the Northern Intermittent Stream (SW-2), 2 stations on the Southern Intermittent Stream (SW-4 & SW-5) and 6 stations on Randleman Lake (SW-6, SW-7, SW-DRP-2, SW-DRP-4, SW-DRP-10 & SW-DRP-11) . The sampling procedures were in accordance with the specifications provided in the project Sampling and Analysis Plan (Geraghty & Miller, 1995). The ground water and surface water samples were analyzed by Davis & Floyd, Inc. for volatile organic compounds (VOCs) and 1,4-dioxane by EPA Method 8260. The monitoring locations and analytical methods are listed in Appendix A.

Water levels were measured at 70 monitor wells. The sampling and gauging locations are shown on Figures 2. Laboratory data sheets are presented in Appendix B.

2.1 GROUND WATER

Ground water elevation contour maps are presented in Figure 3 for the saprolite aquifer and in Figure 4 for the bedrock aquifer. As indicated in Figure 3, the occurrence of the saprolite aquifer at the site is limited to areas near the intermittent streams and Randleman Lake (formerly the Deep River). The ground water level data are summarized in Table 1.

In the saprolite aquifer, the general ground water flow direction from the former Seaboard Chemical site is northeastward toward the Southern Intermittent Stream and toward Randleman Lake. The horizontal hydraulic gradient in the saprolite aquifer as measured between saprolite monitor wells PW-8S and MW-8 in September 2007 is 0.03 feet/feet. In the shallow bedrock aquifer,

the general ground water flow direction from the former Seaboard Chemical site is also northeastward toward Randleman Lake. The horizontal hydraulic gradient in the shallow bedrock aquifer as measured between bedrock monitor wells W-6A and OW-DR2 in September 2007 is 0.03 feet/feet. In the area across (north and east of) Randleman Lake, water elevation data for PW-19, PW-18 and other monitor wells indicate that the hydraulic gradient is southward to southwestward toward Randleman Lake.

The vertical hydraulic gradient in the vicinity of the former Seaboard Chemical site as measured between monitor wells W-6B and W-6A in September 2007 is 0.05 feet/feet downward. The vertical hydraulic gradient in the area across (north of) Randleman Lake and within the valley floodplain as measured between monitor wells PW-15S and PW-15D in September 2007 is downward (0.007 feet/feet). The vertical hydraulic gradient in the vicinity of the south side of Randleman Lake as measured between monitor wells MW-3C and OW-DR2 in September 2007 is negligible (0.00 feet/feet).

The analytical results for 1,4-dioxane and VOCs in ground water samples collected in September 2007 from the off-site monitor wells are shown in Figure 5. The historical ground water analytical results for VOCs are summarized in Table 2. Natural attenuation parameter measurements were not collected during the September 2007 monitoring event. Historical natural attenuation parameters measurements are summarized in Table 3. Field parameter measurements are summarized in Table 4.

Based on historical monitoring results, the main mass of VOC-affected ground water extends from the former Seaboard Chemical facility to the northeast where it intersects the Randleman Lake valley. VOCs are detected in a limited area across (north and east of) Randleman Lake from the site. Concentrations of VOCs and 1,4-dioxane at levels above the respective North Carolina ground water quality standards were detected at off-site bedrock monitor well PW-16D, located within 150 feet north of the lake and within the valley floodplain. At off-site bedrock monitor well PW-15D, also located within 150 feet north of the lake and within the valley floodplain, only 1,1-dichlorethane was detected but at a level below the respective North Carolina ground water quality standard. No other VOCs or 1,4-dioxane were detected in the September 2007 ground water sample at PW-15D. Historically, ground water

samples collected at monitor well PW-15D have consistently contained relatively high concentrations of 1,4-dioxane and VOCs.

At off-site monitor well PW-18 (Crutchfield property), located on an upland area approximately 750 feet across Randleman Lake from the site, detectable levels of acetone, 2-butanone, ethylbenzene, 4-methyl-2-pentanone, and xylenes were present in the September 2007 ground water sample but at levels below the respective North Carolina ground water quality standards. No 1,4-dioxane was detected in the September 2007 ground water sample at PW-18. At off-site monitor well PW-19 (City property), located on an upland area approximately 600 feet across Randleman Lake from the site, acetone was present in the September 2007 ground water sample but at a level below the respective North Carolina ground water quality standard. No other VOCs or 1,4-dioxane were detected in the September 2007 ground water sample at PW-19.

At PW-17, located south of the site across Riverdale Drive, acetone was detected at levels below the respective North Carolina surface water quality standard. At off-site monitor well PW-12I, also located south of the site across Riverdale Drive, no VOCs or 1,4-dioxane were detected in the September 2007 ground water sample.

2.2 *SURFACE WATER*

Surface water sampling was conducted at the Northern Intermittent Stream, the Southern Intermittent Stream and Randleman Lake.

The 1,4-dioxane concentrations and total VOC concentrations (EPA Method 8260) in the surface water samples are presented in Figures 6 and 7, respectively. The surface water analytical results for VOCs are summarized in Table 5 and laboratory reports are presented in Appendix B.

The field observations indicate that the surface water samples collected in September 2007 were obtained during dry weather and low flow conditions. During September 2007, rainfall amounts in the vicinity of the site were generally very low. According to the U.S. Drought Monitor website, Guilford County was classified as

being in an Extreme Drought condition at the time of the September 2007 monitoring activities. Consequently, low flow conditions were evident at the site during the September 2007 surface water monitoring event as indicated by the observation of dry streambed conditions in portions of the Northern Intermittent Stream (station SW-1) and Southern Intermittent Stream (station SW-3).

Randleman Lake (formerly the Deep River)

For the surface water samples collected in September 2007 from Randleman Lake, 1,4-dioxane was detected in 5 of the 6 sampling stations. Concentrations of 1,4-dioxane were detected at levels above the North Carolina surface water quality standard in the surface water samples collected at stations SW-DRP-2 and SW-DRP-4, located adjacent to the site in the east-west segment of Randleman Lake, at SW-DRP-10, located adjacent to the southeastern portion of the site, at SW-7, located at the downstream property line, and at SW-DRP-11, located downstream of the site and just above Richland Creek. No other VOCs were detected at levels above the respective North Carolina surface water quality standard in the surface water samples. At station SW-6, located upstream of the site, no VOCs or 1,4-dioxane were detected.

Historically, as part of the annual surface water monitoring event, the river discharge (total flow) in the Deep River was determined based on a cross-sectional area and flow velocities measured at a transect across the river. However, with the impoundment of the Deep River in 2006 by Randleman Lake Dam downstream of the site, the surface water conditions at the site have changed from free flowing river to impounded reservoir. Consequently, river discharge measurements are no longer applicable and were not collected.

Surface water elevation data were not collected at the site for Randleman Lake in September 2007 because the former stream gauges at the site have been abandoned due to the impoundment of the Deep River. The lake basin has not filled to normal pool and progress is slow due to the regional drought conditions. Based on general site observations during the September 2007 monitoring event, it is estimated that the water level of the lake was approximately 8 to 12 feet below the normal pool elevation (682 ft msl).

Southern Intermittent Stream

For the Southern Intermittent Stream, 1,4-dioxane was the only compound detected in the two surface water samples collected in September 2007. Sampling station SW-3, located just upstream of the piped segment of the stream, was dry during the September 2007 sampling event. At SW-4, located downstream of the piped segment of the stream and 90 feet upstream from Randleman Lake, 1,4-dioxane was detected at levels above the North Carolina surface water quality standards. The concentration of 1,4-dioxane in the Southern Intermittent Stream at station SW-4 was 24.1 ug/L, which is substantially lower than the historical concentration range of 1,4-dioxane (118 to 1,200 ug/l) detected at SW-4 since year 2000. At SW-5, located upstream of the former Seaboard Chemical facility, only a slight streamflow was observed and no detectable levels of VOCs or 1,4-dioxane were present in the surface water sample collected.

Surface water elevation data could not be collected for the Southern Intermittent Stream in September 2007 because the stream gauge formerly located at station SW-3 was missing. Because of the shallow depth of the streamflow of the Southern Intermittent Stream (dry), stream discharge measurements are difficult to obtain without a weir and have not been collected.

Northern Intermittent Stream

For the Northern Intermittent Stream, at sampling station SW-2, located immediately downstream of the piped segment of the stream, 1,4-dioxane was detected at levels above the North Carolina surface water quality standard. Chlorobenzene was also detected at SW-2 but at a level below the respective North Carolina surface water quality standard. No surface water sample was collected at station SW-1, located upstream of the landfill, because the Northern Intermittent Stream was dry at this location.

On July 24, 2007 a triangular weir was installed at the outlet end of the piped section of the Northern Intermittent Stream to obtain flow measurements. Flow measurements were collected periodically between July 24 and September 27, 2007. Based on the weir measurements on September 27, 2007,, the Northern

Intermittent Stream flow was calculated to be 0.02 cubic feet per second (cfs) or 8.9 gallons per minute.

3.0 SUMMARY OF FINDINGS

The major findings of the annual ground water and surface water monitoring activities for September 2007 at the Seaboard Chemical/Riverdale Drive Landfill site include the following:

- Due to the impoundment of the Deep River in 2006 by Randleman Lake Dam downstream of the site, the surface water conditions of the former Deep River at the site have changed from free flowing river to impounded reservoir (Randleman Lake).

- The ground water elevation data demonstrate that ground water flows towards Randleman Lake on both the north and south sides of the east-west segment of the former river valley. The ground water flow pattern (Figures 3 & 4) confirms that the former river valley serves as the regional ground water discharge zone.

- In September 2007, 1,4-dioxane was detected at levels above the North Carolina surface water quality standard (3 ug/L) at 5 of the 6 surface water sampling locations in Randleman Lake (formerly Deep River). 1,4-Dioxane was also detected at levels above the North Carolina surface water quality standard in surface water samples at one location in the Southern Intermittent Stream and one location in the Northern Intermittent Stream.

- Based on historical monitoring results, the geometry of the main VOC plume extends to and along the east-west segment of the former river valley that is now Randleman Lake. The VOCs detected on the north side of the lake in monitor well PW-16D, located immediately adjacent to (within 100 feet of) the lake, are considered to be related to the VOC plume at the site. The ground water quality data on the north side of the lake indicate that the main VOC mass from the site is migrating to and along

fracture zones beneath the valley bottom which contains the lake.

- The absence of VOCs and 1,4-dioxane in the September 2007 ground water sample at off-site bedrock monitor well PW-15D represents a substantial change in ground water quality at this location compared to the historical monitoring results. Historically, VOCs and 1,4-dioxane have been detected at levels above the respective ground water quality standards in the ground water samples from monitor well PW-15D. The absence of VOCs in the PW-15D ground water sample in September 2007 may be attributable to localized effects on ground water quality due to recharge by the impounded surface water of Randleman Lake. Based on the September 2007 ground water elevation data at monitor well pair PW-15D and PW-15S, the vertical hydraulic gradient is downward from the shallow saprolite aquifer (PW-15S) to the bedrock aquifer (PW-15D). Considering the downward vertical gradient and the occurrence of fractured bedrock outcrops in the former river channel in the vicinity of PW-15D, there is potential for localized infiltration of relatively clean surface water from the lake into the shallow bedrock aquifer zone near the river valley.

- No 1,4-dioxane was detected in the ground water sample collected at off-site monitor wells PW-19 (City property), located on the upland area across Randleman Lake from the site. Based on the absence of 1,4-dioxane in the ground water samples collected on September 2007, there is no site-related VOC-affected ground water east of Randleman Lake in the area of PW-19. Based on historical ground water analytical results, the eastward extent of VOC-affected ground water in the area east of Randleman Lake is determined to be located between PW-16D and PW-19.

- Based on the concentrations and types of VOCs in the ground water sample collected from off-site monitor well PW-18 (Crutchfield property), and considering the measured hydraulic gradient and ground water flow direction toward the river, the VOCs (acetone at 108 ug/L, 2-butanone at 5.3 ug/L, ethylbenzene at 1.3 ug/L, 4-methyl-2-pentanone at 65.8 ug/L, and xylenes at 12.0 ug/L) detected in the ground water sample from PW-18 are not characteristic of the VOC-affected ground water from the site. The VOCs detected at PW-18 are

considered to be unrelated to the VOC plume at the site and are attributed to an unknown off-site source area. Based on historical ground water analytical results, the northern extent of site-related VOC-affected ground water in the area north of Randleman Lake is determined to be located between PW-16D and PW-18.

- The low concentration of acetone detected in the ground water sample collected at off-site monitor well PW-17 (City property), located to the south of the former Seaboard Chemical facility across Riverdale Drive from the site, is not attributed to the migration of site-related VOC-affected ground water. The ground water elevation data indicate that PW-17 is not hydraulically downgradient of the site and the ground water flow direction at the site is toward the east or northeast, away from PW-17. No detectable levels of acetone or other VOCs are present in ground water at monitor well PW-12I, also located south of Riverdale Drive from the site. The southern extent of site-related VOC-affected ground water is determined to be located north of Riverdale Drive.

4.0 REFERENCES

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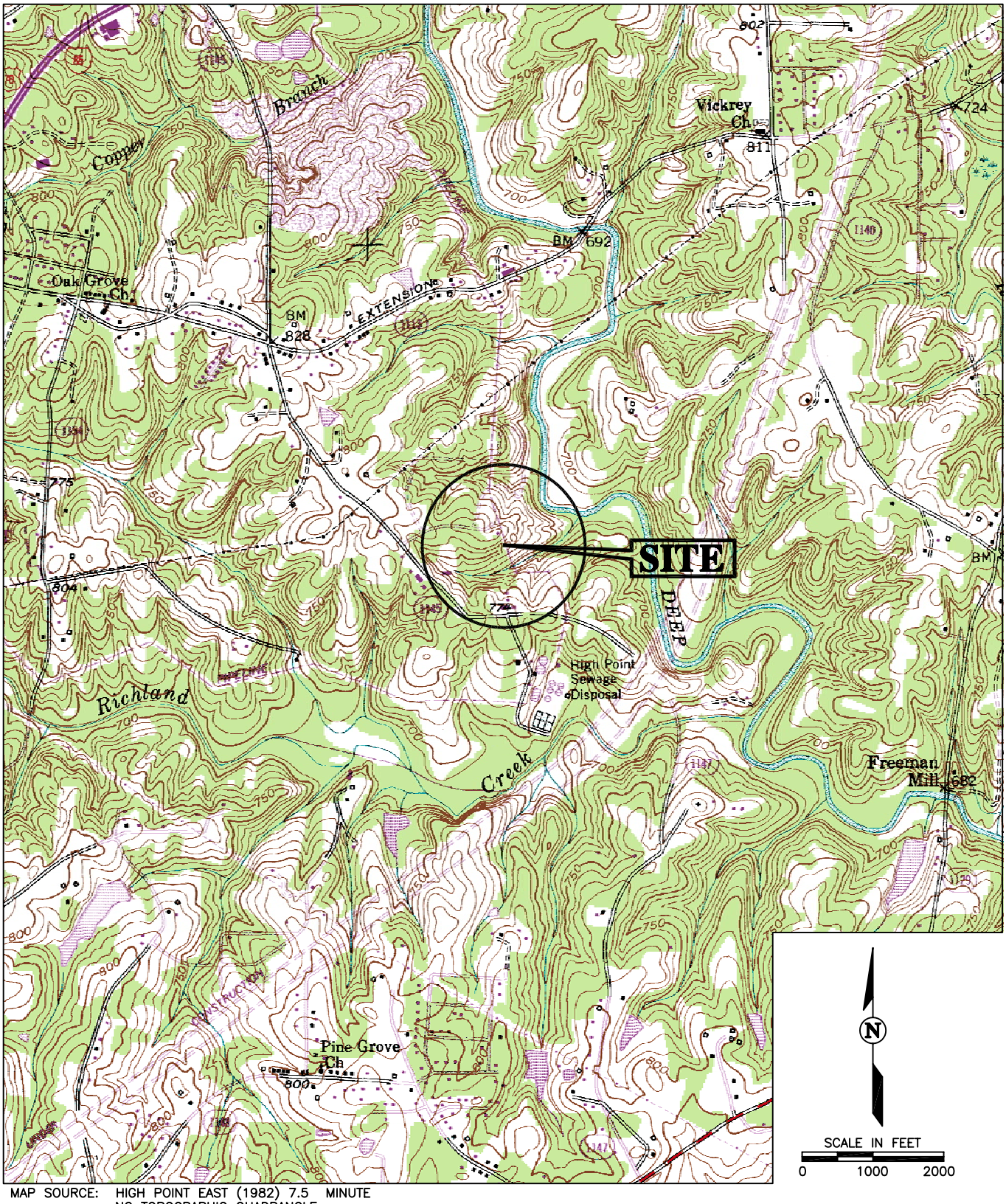
Geraghty & Miller, 1995. *Sampling and Analysis Plan for the Former Seaboard Chemical Corporation Facility and the City of High Point Riverdale Drive Landfill.* Geraghty & Miller, Inc. November 16, 1995.

Figures



MAP SOURCE: HIGH POINT EAST (1982) 7.5 MINUTE NC TOPOGRAPHIC QUADRANGLE

FIG 1 9-02.DWG 11/12/02 1=1 CH/TW

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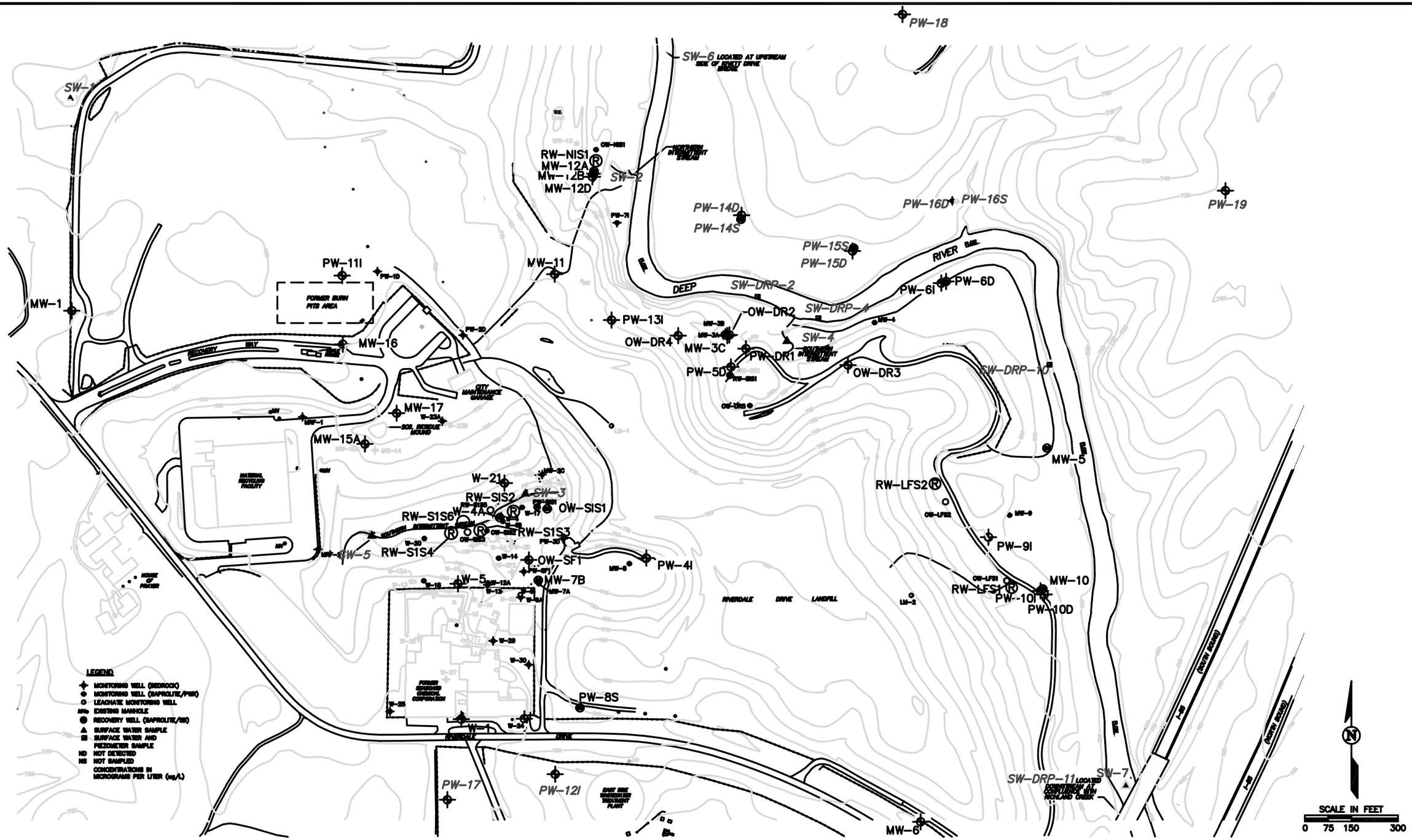
SITE LOCATION MAP
FORMER SEABOARD CHEMICAL CORPORATION AND RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

FIGURE

1



BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

NOTE: 2007 GROUND WATER AND SURFACE WATER SAMPLE LOCATIONS SHOWN IN ITALICIZED RED TYPE

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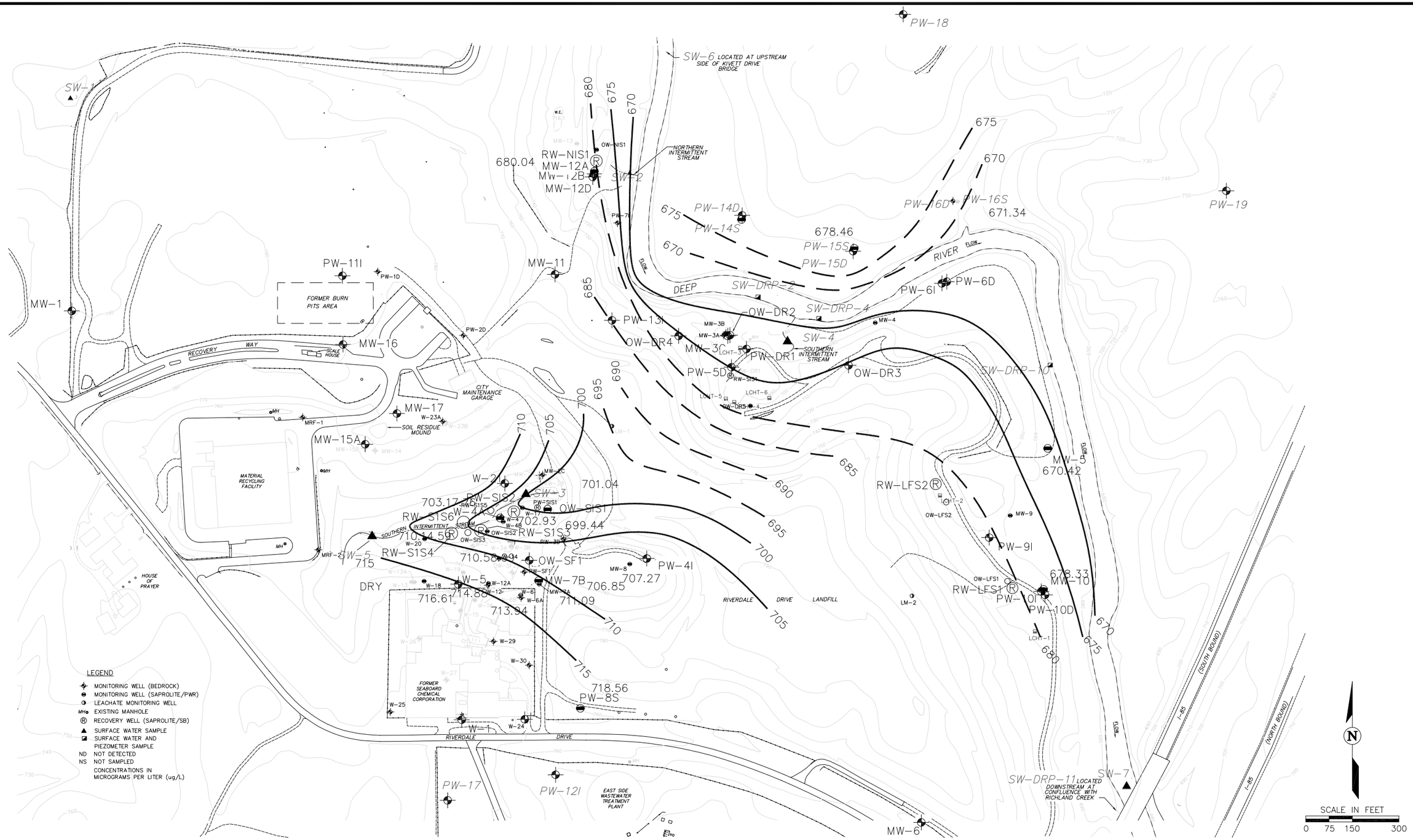
SITE MAP AND MONITORING LOCATIONS
FORMER SEABOARD CHEMICAL/
RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

FIGURE
2

72280SAM LOC 11-07.DWG 11/09/07 1=300 CH/TW



BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

NOTE: 2007 GROUND WATER AND SURFACE WATER SAMPLE LOCATIONS SHOWN IN ITALICIZED RED TYPE

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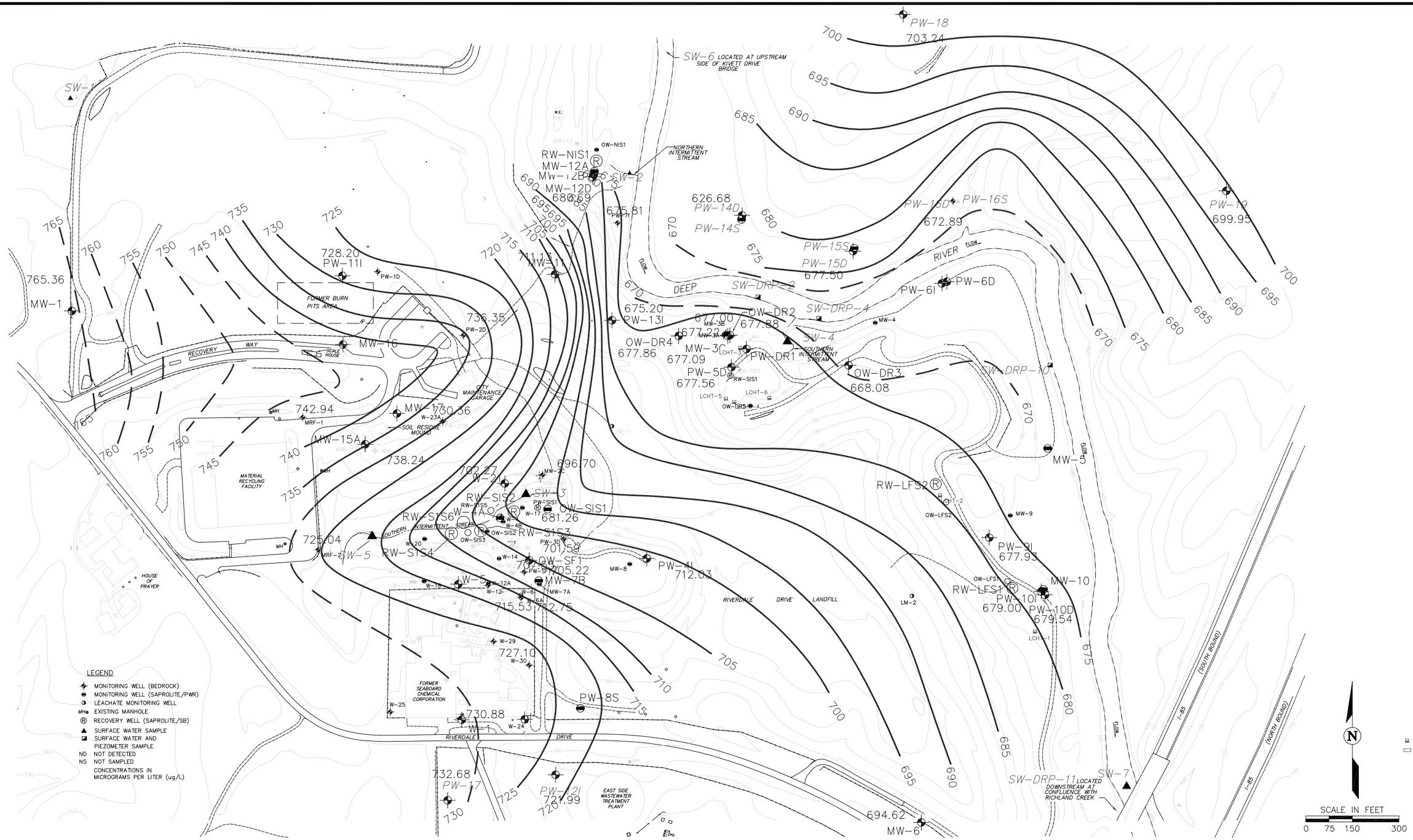
GROUND WATER ELEVATIONS - SAPROLITE AQUIFER
SEPTEMBER 24, 2007
FORMER SEABOARD CHEMICAL/
RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

FIGURE
3

72280GW ELE SAP 9-07.DWG 11/09/07 1=300 SAR/TW



BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

NOTE: 2007 GROUND WATER AND SURFACE WATER SAMPLE LOCATIONS SHOWN IN ITALICIZED RED TYPE

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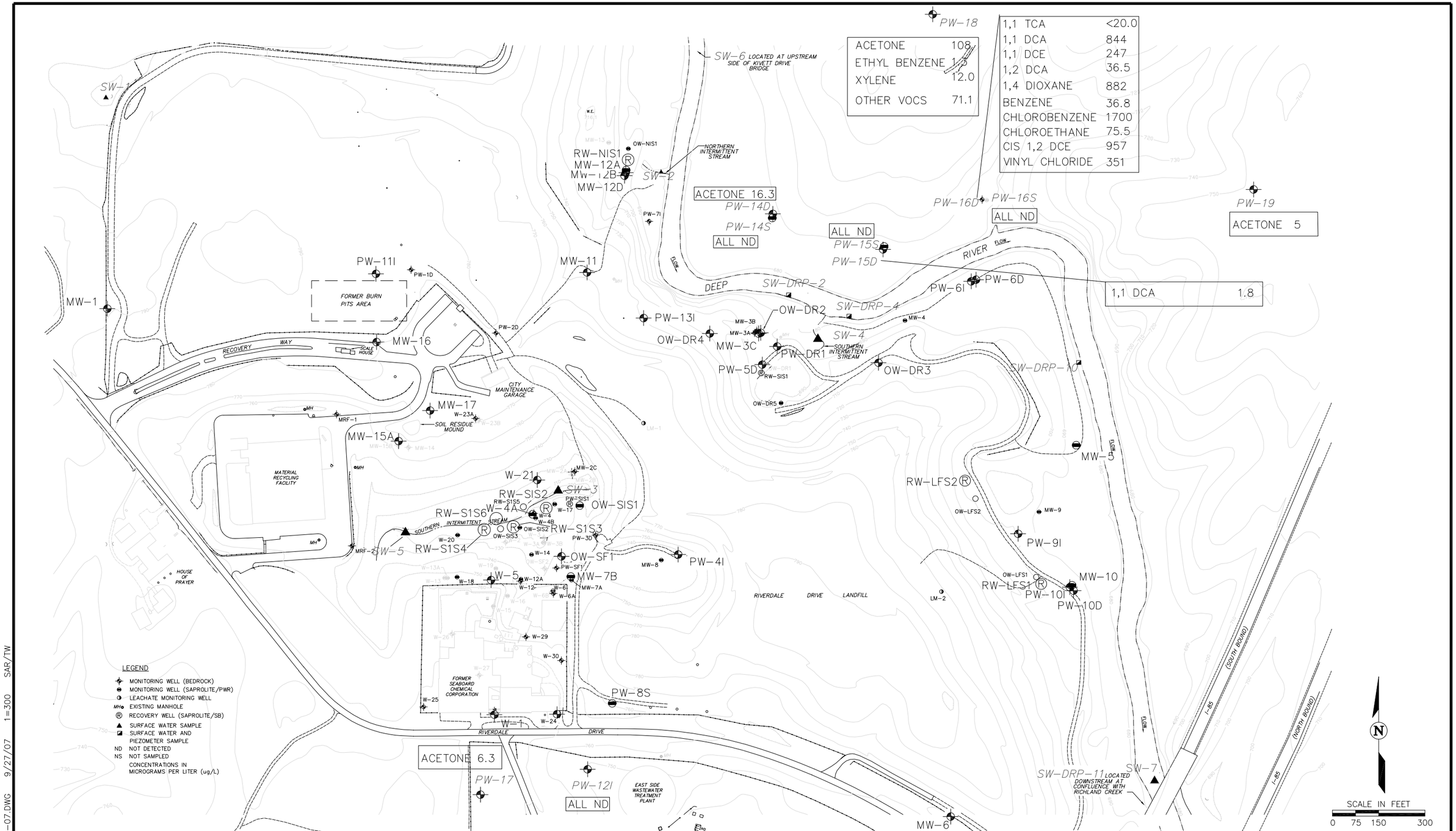
GROUND WATER ELEVATIONS - BEDROCK AQUIFER
SEPTEMBER 24, 2007
FORMER SEABOARD CHEMICAL/
RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

FIGURE
4

72280GW ELE BED 9-07.DWG 11/09/07 1=300 SAR/TW



BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

NOTE: 2007 GROUND WATER AND SURFACE WATER SAMPLE LOCATIONS SHOWN IN ITALICIZED RED TYPE

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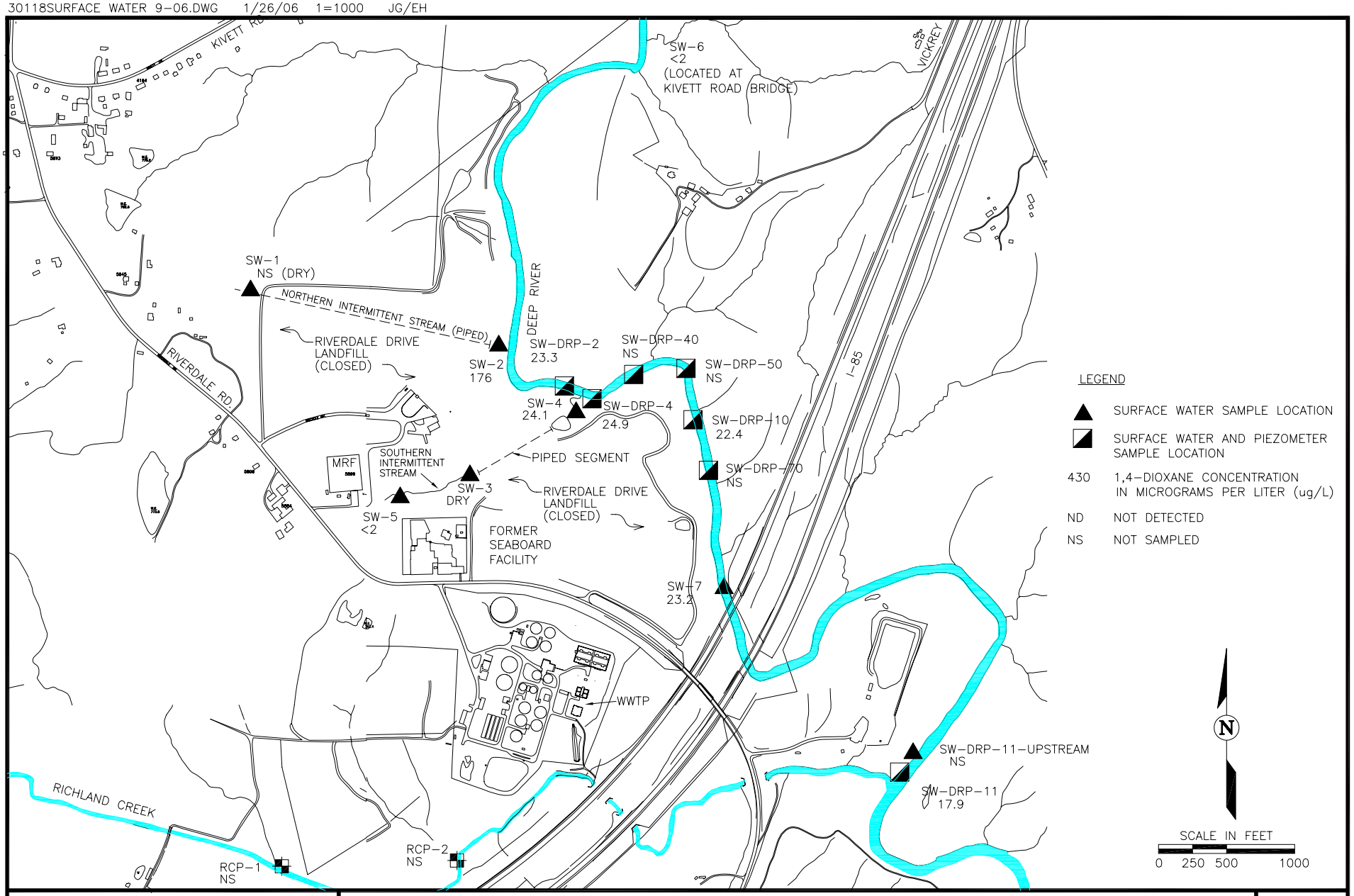
GROUND WATER QUALITY - OFF SITE MONITOR WELLS
SEPTEMBER 27, 2007
FORMER SEABOARD CHEMICAL/
RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

FIGURE
5

722B0GW QUALITY 9-07.DWG 9/27/07 1=300 SAR/TW

30118SURFACE WATER 9-06.DWG 1/26/06 1=1000 JG/EH



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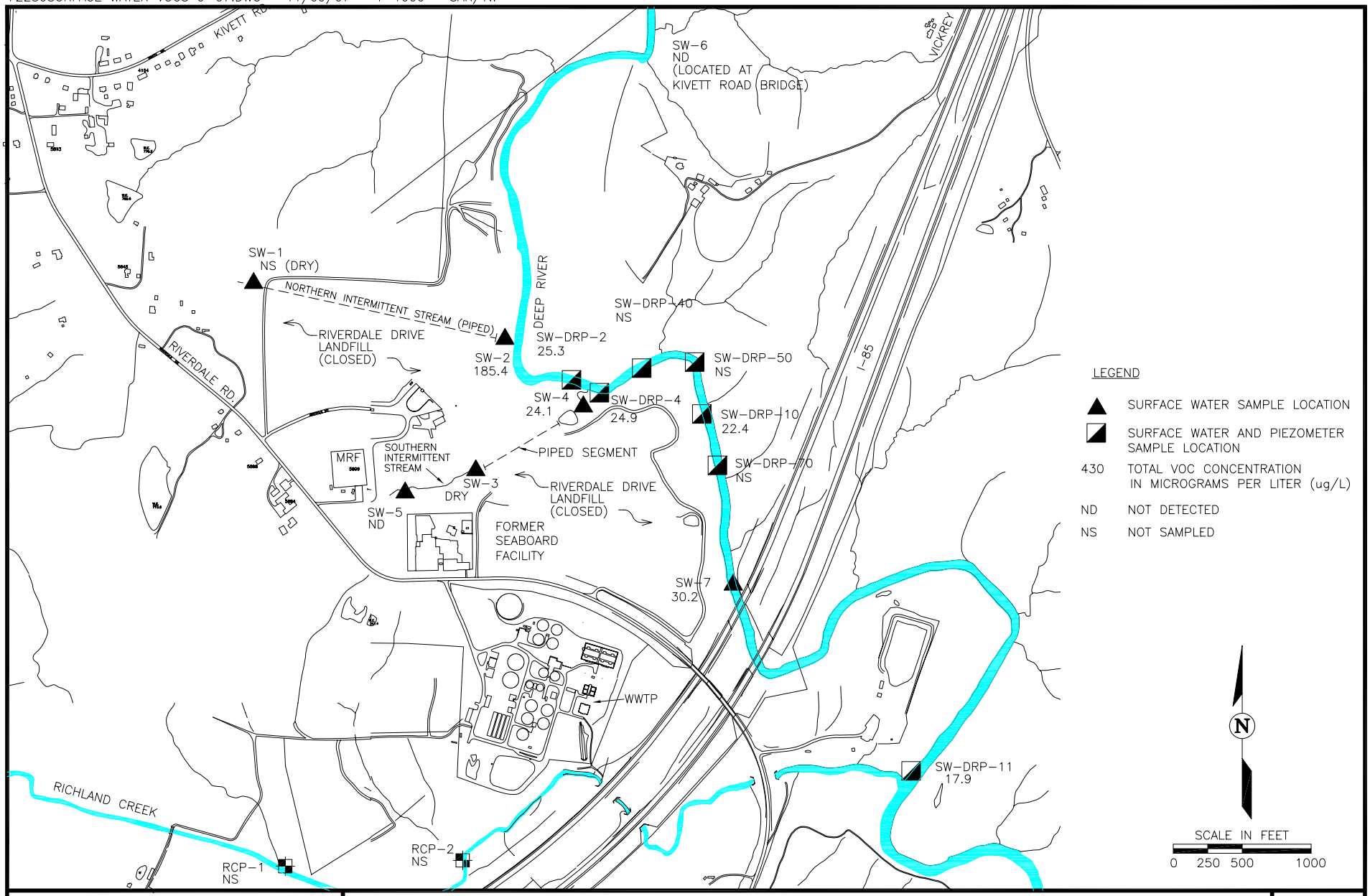
SURFACE WATER QUALITY- 1,4-DIOXANE- SEPTEMBER 27, 2007
FORMER SEABOARD CHEMICAL/
RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

FIGURE

6

72280SURFACE WATER VOCS 9-07.DWG 11/09/07 1=1000 SAR/TW



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SURFACE WATER QUALITY- TOTAL VOCs- SEPTEMBER 27, 2007
FORMER SEABOARD CHEMICAL/
RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

FIGURE

7

Tables

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
MW-1	57.71	47.71-57.71	743.98-733.98	789.40	791.69	11/14/2000	27.28	764.41
						9/4/2001	27.99	763.70
						9/17/2002	29.55	762.14
						9/11/2003	23.86	767.83
						8/16/2004	25.70	765.99
						12/19/2005	25.55	766.14
						8/21/2006	25.97	765.72
						9/24/2007	26.33	765.36
MW-2A	19	4-19	709.9-694.9	711.80	713.90	11/14/2000	13.46	700.44
						9/4/2001	17.43	696.47
						9/17/2002	10.25	703.65
						9/11/2003	10.60	703.30
						8/16/2004	7.83	706.07
						8/21/2006	13.04	700.86
						9/24/2007	14.17	699.73
MW-2B	30	30	681.0	711.00	712.57	11/14/2000	12.78	699.79
						9/4/2001	13.01	699.56
						9/17/2002	10.61	701.96
						9/11/2003	10.62	701.95
						8/16/2004	7.75	704.82
						8/21/2006	12.25	700.32
						9/24/2007	14.64	697.93
MW-2C	48	28-48	685.56-665.56	711.40	713.56	11/14/2000	16.12	697.44
						9/4/2001	14.02	699.54
						9/17/2002	18.41	695.15
						9/11/2003	12.78	700.78
						8/16/2004	14.80	698.76
						12/19/2005	NM	NM
						8/21/2006	17.53	696.03
						9/24/2007	16.86	696.7
MW-3A	27	12-27	682.4-667.4	692.74	694.40	11/14/2000	19.62	674.78
						9/4/2001	21.03	673.37
						9/17/2002	20.22	674.18
						9/11/2003	16.74	677.66
						8/16/2004	18.60	675.80
						12/19/2005	18.54	675.86
						8/21/2006	20.32	674.08
						9/24/2007	17.18	677.22
MW-3B	38.83	28.83-38.83	664.76-654.76	692.32	693.59	11/14/2000	19.46	674.13
						9/4/2001	21.00	672.59
						9/17/2002	20.00	673.59
						9/11/2003	16.32	677.27
						8/16/2004	NM	NM
						12/19/2005	18.81	674.78
						8/21/2006	20.33	673.26
						9/24/2007	16.59	677.00

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
MW-3C	57	47-57	647.22-637.22	691.90	694.22	11/14/2000	19.51	674.71
						9/4/2001	21.12	673.10
						8/19/2002	20.57	673.65
						9/16/2002	20.00	674.22
						9/11/2003	16.47	677.75
						8/16/2004	18.46	675.13
						12/19/2005	18.96	674.63
						8/21/2006	20.56	673.03
						9/24/2007	16.50	677.72
MW-4	30	20-30	664.72-654.72	683.20	684.72	11/14/2000	12.22	672.50
						9/4/2001	14.18	670.54
						9/16/2002	12.71	672.01
						9/11/2003	10.62	674.10
						8/16/2004	11.91	672.81
						12/19/2005	17.55	667.17
						8/21/2006	NM	NM
						9/24/2007	13.22	671.50
MW-5	30	20-30	664.4-654.4	682.00	684.40	11/14/2000	12.89	671.51
						9/4/2001	14.69	669.71
						9/16/2002	13.81	670.59
						9/11/2003	9.23	675.17
						8/16/2004	12.05	672.35
						12/19/2005	16.59	667.81
						8/21/2006	NM	NM
						9/24/2007	13.98	670.42
MW-6	110	100-110	661.73-651.73	759.60	761.73	11/14/2000	65.92	695.81
						9/4/2001	66.49	695.24
						9/17/2002	67.21	694.52
						9/11/2003	59.32	702.41
						8/16/2004	63.47	698.26
						12/19/2005	65.83	695.90
						8/21/2006	66.46	695.27
						9/24/007	67.11	694.62
MW-7A	35	15-35	726.64-706.64	739.42	741.64	11/14/2000	31.10	710.54
						9/4/2001	32.34	709.30
						9/17/2002	35.73	705.91
						9/11/2003	22.61	719.03
						8/16/2004	29.02	712.62
						12/19/2005	31.13	710.51
						8/21/2006	31.19	710.45
						9/24/2007	30.55	711.09
MW-7B	68	58-68	682.16-672.16	738.50	740.16	11/14/2000	33.90	706.26
						9/4/2001	33.15	707.01
						9/17/2002	38.12	702.04
						9/11/2003	24.53	715.63
						8/16/2004	31.80	708.36
						12/19/2005	33.74	706.42
						8/21/2006	33.36	706.80
						9/24/2007	33.31	706.85

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
MW-8	33	13-33	721.16-701.16	731.80	734.16	11/14/2000	>30.70	-
						9/4/2001	>30.70	-
						9/17/2002	>30.70	-
						9/11/2003	20.49	719.67
						8/16/2004	28.35	711.81
						12/19/2005	20.22	719.94
						8/21/2006	30.81	709.35
						9/24/2007	32.89	701.27
MW-9	32	12-32	676.95-656.95	685.95	688.95	11/14/2000	12.36	676.59
						9/4/2001	13.53	675.42
						9/16/2002	13.48	675.47
						9/11/2003	8.15	680.80
						8/16/2004	10.78	678.17
						12/19/2005	11.43	677.52
						8/21/2006	21.35	667.60
						9/24/2007	NM	NM
MW-10	28	8-28	687.62-667.62	693.60	695.62	11/14/2000	16.91	678.71
						9/4/2001	18.61	677.01
						9/16/2002	17.64	677.98
						9/11/2003	13.78	681.84
						8/16/2004	15.06	680.56
						12/19/2005	14.47	681.15
						8/21/2006	16.80	678.82
						9/24/2007	17.29	678.33
MW-11	68	53-68	695.42-680.42	746.26	748.42	11/14/2000	38.24	710.18
						9/4/2001	38.50	709.92
						8/19/2002	41.06	707.36
						9/16/2002	40.65	707.77
						9/11/2003	28.97	719.45
						8/16/2004	36.81	711.61
						12/19/2005	38.51	709.91
						8/21/2006	32.91	715.51
						9/24/2007	37.29	711.13
MW-12A	20	5-20	688.96-673.96	691.12	693.96	11/14/2000	15.66	678.30
						9/4/2001	15.87	678.09
						9/16/2002	15.62	678.34
						9/11/2003	11.08	682.88
						8/16/2004	14.15	679.81
						12/19/2005	11.31	682.65
						8/21/2006	14.67	679.29
						9/24/2007	13.92	680.04
MW-12B	58	48-58	647-637	691.70	695.00	11/14/2000	16.49	678.51
						9/4/2001	16.92	678.08
						9/16/2002	16.65	678.35
						9/11/2003	12.72	682.28
						8/16/2004	15.03	679.97
						12/19/2005	14.12	680.88
						8/21/2006	NM	NM
						9/24/2007	NM	NM

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
MW-12D	202	187-202	507.93-492.93	691.81	694.93	11/14/2000	>101.50	<593
						9/4/2001	48.12	646.81
						9/16/2002	47.59	647.34
						9/11/2003	46.06	648.87
						8/16/2004	NM	NM
						12/19/2005	20.80	674.13
						8/21/2006	NM	NM
						9/24/2007	14.24	680.69
MW-14	35	20-35	746.22-731.22	763.80	766.22	11/14/2000	28.42	737.80
						9/4/2001	29.33	736.89
						9/17/2002	NM	NM
						9/11/2003	25.38	740.84
						8/16/2004	26.16	740.06
						8/21/2006	27.98	738.24
MW-15A	34	19-34	731.34-746.34	762.5	765.34	9/4/2001	26.70	738.64
						9/17/2002	21.40	743.94
						9/11/2003	NM	NM
						8/16/2004	22.72	742.62
						12/19/2005	24.31	741.03
						8/21/2006	NM	NM
MW-16	45	30-45	749.13-734.13	779.00	779.13	11/14/2000	34.18	744.95
						9/4/2001	NM	NM
						9/17/2002	NM	NM
						9/11/2003	NM	NM
						8/16/2004	NM	NM
						12/19/2005	NM	NM
						8/21/2006	NM	NM
MW-17 (WSW-1)	250	230-250	--	--	--	12/19/2005	68.09	--
						8/21/2006	NM	NM
MRF-1	43.5	28.5-43.5	723.31-708.31	752.10	751.81	11/14/2000	8.45	743.36
						9/4/2001	8.48	743.33
						9/17/2002	8.56	743.25
						9/11/2003	7.40	744.41
						8/16/2004	7.59	744.22
						12/19/2005	7.63	744.18
						8/21/2006	8.25	743.56
						9/24/2007	8.87	742.94
MRF-2	41.5	26.5-41.5	724.23-709.23	751.00	750.73	11/14/2000	26.06	724.67
						9/4/2001	26.18	724.55
						9/17/2002	26.10	724.63
						9/11/2003	24.28	726.45
						8/16/2004	24.10	726.63
						12/19/2005	24.35	726.38
						8/21/2006	25.69	725.04
						9/24/2007	25.69	725.04

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
OW-DR1	165	49-165	648.95-532.95	695.39	697.95	11/14/2000	23.21	674.74
						9/4/2001	24.72	673.23
						9/16/2002	23.80	674.15
						9/11/2003	20.21	677.74
						8/16/2004	22.23	675.72
						12/19/2005	22.91	675.04
						8/21/2006	24.40	673.55
						9/24/2007	20.16	677.79
OW-DR2	186	176-186	518.4-508.4	692.61	694.40	11/14/2000	19.72	674.68
						9/4/2001	21.33	673.07
						8/19/2002	20.75	673.65
						9/16/2002	20.25	674.15
						9/11/2003	16.60	677.80
						8/16/2004	18.62	675.78
						12/19/2005	19.34	675.06
						8/21/2006	20.79	673.61
						9/24/2007	16.52	677.88
OW-DR3	160	77-160	626.52-543.52	703.52	704.75	8/19/2002	30.79	663.61
						9/16/2002	30.40	664.00
						9/11/2003	27.80	666.60
						8/16/2004	29.02	665.38
						12/19/2005	30.29	664.11
						8/21/2006	31.17	663.23
						9/24/2007	26.32	668.08
OW-DR4	165	45 - 165	667.70-547.70	712.70	713.85	8/19/2002	40.15	673.70
						9/16/2002	39.72	674.13
						9/11/2003	36.25	677.60
						8/16/2004	38.23	675.62
						12/19/2005	38.91	674.94
						8/21/2006	40.34	673.51
						9/24/2007	35.99	677.86
OW-DR5	40	20-40	--	--	--	12/19/2005	10.50	703.35
OW-NIS1	40	25-40	--	--	--	12/19/2005	10.91	702.94
OW-SIS1	39	20-39	--	--	--	12/19/2005	24.05	689.80
						8/21/2006	24.08	689.77
						9/24/2007	23.89	689.96
OW-SIS2	40	20-40	--	--	--	12/19/2005	5.32	--
OW-SIS3	45	15-45	--	--	--	12/19/2005	5.80	--
OW-SF1	733.15	95-120	638.15-613.15	731.06	731.06	12/19/2005	26.15	704.91
						8/21/2006	26.00	705.06
						9/24/2007	25.84	705.22

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
OW-SF2	120	80-120	651.05-611.05	728.87	731.05	8/21/2006	NM	NM
						9/24/2007	20.44	710.61
OW-LFS1	50	30-50	--	--	698.74	12/19/2005	17.15	681.59
OW-LFS2	50	30-50	--	--	700.08	12/19/2005	21.97	678.11
PW-DR1	185	38-185	657.21-510.21	693.62	695.21	11/14/2000	20.51	674.70
						9/4/2001	21.90	673.31
						8/19/2002	21.48	673.73
						9/16/2002	21.02	674.19
						9/11/2003	17.51	677.70
						8/16/2004	19.55	675.66
						12/19/2005	NM	--
						8/21/2006	NM	--
						9/24/2007	NM	--
PW-SF1	120	95-120	638.15-613.15	732.14	733.15	8/21/2006	25.98	707.17
						9/24/2007	25.60	707.55
PW-SIS1	39	19-39	--	--	--	8/16/2004	NM	--
						12/19/2005	12.20	683.01
						8/21/2006	13.95	681.26
						9/24/2007	15.43	679.78
PW-1D	81.5	66.5-81.5	717.18-702.18	781.90	783.68	11/14/2000	54.92	728.76
						9/4/2001	54.60	729.08
						9/17/2002	54.65	729.03
						9/11/2003	47.49	736.19
						8/16/2004	NM	--
						12/19/2005	51.82	731.86
						8/21/2006	NM	--
PW-2D	101	80-100	700.55-680.55	778.80	780.55	11/14/2000	45.43	735.12
						9/4/2001	45.16	735.39
						9/17/2002	NM	--
						9/11/2003	NM	--
						8/16/2004	43.45	737.10
						12/19/2005	43.94	736.61
						8/21/2006	42.75	737.80
						9/24/2007	44.20	736.35
PW-3D	209.5	179.5-209.5	578.84-548.84	756.60	758.34	11/14/2000	56.60	701.74
						9/4/2001	NM	--
						9/16/2002	58.62	699.72
						9/11/2003	NM	--
						8/16/2004	55.55	702.79
						12/19/2005	NM	--
						8/21/2006	56.75	701.59

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
PW-4I	122	112-122	625.67-615.67	735.17	755.14	11/14/2000	43.39	711.75
						9/4/2001	44.73	710.41
						9/17/2002	45.94	709.20
						9/11/2003	36.04	719.10
						8/16/2004	42.31	712.83
						12/19/2005	43.27	711.87
						8/21/2006	43.11	712.03
PW-5D	306.5	272-282	425.87-415.87	695.07	697.87	11/14/2000	23.52	674.35
						9/4/2001	24.04	673.83
						8/19/2002	24.54	673.33
						9/16/2002	23.86	674.01
						9/11/2003	20.37	677.50
						8/16/2004	22.45	675.42
						12/19/2005	23.21	674.66
						8/21/2006	24.68	673.19
						9/24/007	20.31	677.56
PW-6I	76	65-76	619.19-608.19	682.27	684.19	11/14/2000	11.80	672.39
						9/4/2001	13.98	670.21
						8/19/2002	12.81	671.38
						9/16/2002	12.35	671.84
						9/11/2003	11.20	672.99
						8/16/2004	12.00	672.19
						12/19/2005	16.14	668.05
						8/21/2006	NM	--
						9/24/007	NM	--
PW-6D	275	260-275	424.77-409.77	682.22	684.77	11/14/2000	11.01	673.76
						9/4/2001	12.58	672.19
						8/19/2002	12.07	672.70
						9/16/2002	11.57	673.20
						9/11/2003	7.87	676.90
						8/16/2004	9.95	674.82
						12/19/2005	13.24	671.53
						8/21/2006	NM	--
						9/24/2007	NM	--
PW-7I	101	90-100	594.92-584.92	683.42	684.92	11/14/2000	12.90	672.02
						9/4/2001	14.58	670.34
						6/16/2002	12.81	672.11
						8/19/2002	13.28	671.64
						9/16/2002	12.81	672.11
						9/11/2003	11.69	673.23
						8/16/2004	12.92	672.00
						12/19/2005	11.41	673.51
						8/21/2006	14.38	670.54
						9/24/2007	9.11	675.81

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
PW-8S	48	35-45	728.13-718.13	761.23	763.13	11/14/2000	42.30	720.83
						9/4/2001	45.10	718.03
						9/17/2002	47.33	715.80
						9/11/2003	38.95	724.18
						8/16/2004	40.70	722.43
						12/19/2005	42.80	720.33
						8/21/2006	43.39	719.74
						9/24/2007	44.57	718.56
PW-9I	100	80-100	619.07-599.07	698.07	699.07	11/14/2000	21.80	677.27
						9/4/2001	22.95	676.12
						9/16/2002	22.74	676.33
						9/11/2003	18.04	681.03
						8/16/2004	20.50	678.57
						12/19/2005	20.79	678.28
						8/21/2006	11.75	687.32
						9/24/2007	21.14	677.93
PW-10I	100	80-100	616.44-596.44	695.34	696.44	11/14/2000	17.24	679.20
						9/4/2001	19.08	677.36
						9/16/2002	18.30	678.14
						9/11/2003	14.57	681.87
						8/16/2004	16.05	680.39
						12/19/2005	15.53	680.91
						8/21/2006	17.68	678.76
						9/24/2007	17.44	679.00
PW-10D	200	185-200	512.75-497.75	695.48	697.96	11/14/2000	>101.50	-
						9/4/2001	39.20	658.76
						9/16/2002	46.45	651.51
						9/11/2003	NM	NM
						8/16/2004	48.04	649.92
						12/19/2005	29.01	668.95
						8/21/2006	32.60	665.36
						9/24/2007	18.42	679.54
PW-11I	90	75-90	710.45-695.45	784.38	785.45	11/14/2000	57.55	727.90
						9/4/2001	58.00	727.45
						9/17/2002	58.77	726.68
						9/11/2003	53.81	731.64
						8/16/2004	56.23	729.22
						12/19/2005	56.65	728.80
						8/21/2006	56.73	728.72
						9/24/2007	57.25	728.20

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
PW-12I	105	90-105	660.54-645.54	748.07	750.54	11/14/2000	29.09	721.45
						9/4/2001	32.36	718.18
						2/16/2002	36.25	714.29
						9/16/2002	36.25	714.29
						9/11/2003	26.18	724.36
						8/16/2004	27.41	723.13
						12/19/2005	29.55	720.99
						8/23/2006	30.15	720.39
						9/24/2007	28.55	721.99
PW-13I	250	235-250	504.9-489.9	736.58	739.90	11/14/2000	67.65	672.25
						9/4/2001	69.68	670.22
						8/19/2002	68.50	671.40
						9/17/2002	68.12	671.78
						9/11/2003	66.59	673.31
						8/16/2004	67.52	672.38
						12/19/2005	68.51	671.39
						8/21/2006	69.64	670.26
						9/24/2007	64.70	675.20
PW-14D	198.8	183.8-198.8	505.33-490.33	686.38	689.13	10/31/2000	16.24	672.89
						12/20/2000	>150	-
						9/5/2001	76.98	612.15
						9/17/2002	64.16	624.97
						9/11/2003	6.51	682.62
						8/16/2004	56.01	633.12
						12/19/2005	67.27	621.86
						8/21/2006	37.29	651.84
						9/24/2007	62.45	626.68
PW-14S	21.5	11.5-21.5	677.09-667.09	685.96	688.59	10/30/2000	13.19	675.40
						12/20/2000	13.47	675.12
						9/5/2001	14.28	674.31
						9/17/2002	14.55	674.04
						9/11/2003	14.92	673.67
						8/16/2004	10.26	678.33
						12/19/2005	11.54	677.05
						8/21/2006	13.45	675.14
PW-15D	163.5	153.5-163.5	533.93-523.93	684.85	687.43	10/31/2000	13.25	674.18
						12/20/2000	13.32	674.11
						9/5/2001	14.79	672.64
						9/17/2002	13.81	673.62
						9/11/2003	10.13	677.30
						8/16/2004	12.24	675.19
						12/19/2005	13.03	674.40
						8/21/2006	15.80	671.63
						9/24/2007	9.93	677.50

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
PW-15S	21.5	11.5-21.5	676.71-666.71	685.88	688.21	10/30/2000	14.87	673.34
						12/20/2000	14.91	673.30
						9/5/2001	16.26	671.95
						9/17/2002	15.42	672.79
						9/11/2003	11.61	676.60
						8/16/2004	13.89	674.32
						12/19/2005	14.14	674.07
						8/21/2006	14.32	673.89
						9/24/2007	9.75	678.46
PW-16D	179	169-179	515.98-505.98	681.46	684.98	10/31/2000	10.94	674.04
						12/20/2000	10.95	674.03
						9/5/2001	12.43	672.55
						9/17/2002	11.51	673.47
						9/11/2003	7.88	677.10
						8/16/2004	9.91	675.07
						12/19/2005	10.80	674.18
						8/21/2006	12.09	672.89
						9/24/2007	11.21	673.77
PW-16S	12.5	5.5-12.5	677.67-670.67	680.97	683.17	10/30/2000	8.00	675.17
						12/20/2000	7.39	675.78
						9/5/2001	9.82	673.35
						9/17/2002	9.65	673.52
						9/11/2003	6.56	676.61
						8/16/2004	6.79	676.38
						12/19/2005	6.21	676.96
						8/21/2006	8.44	674.73
						9/24/2007	11.83	671.34
PW-17	100	85 - 100	686.0 - 671.0	771.0	774.7	11/14/2000	43.25	731.45
						12/20/2000	43.96	730.74
						9/5/2001	45.55	729.15
						9/16/2002	49.34	725.36
						9/11/2003	37.64	737.06
						8/16/2004	39.42	735.28
						12/19/2005	21.09	753.61
						8/21/2006	43.19	731.51
						9/24/2007	42.02	732.68
PW-18	225	210 - 225	525.4 - 510.4	735.4	737.8	11/9/2000	110.06	627.74
						12/7/2000	57.23	680.57
						12/14/2000	57.28	680.52
						12/20/2000	57.27	680.53
						9/5/2001	58.50	679.30
						9/17/2002	NM	NM
						9/11/2003	86.31?	Suspect data
						8/16/2004	53.18	684.62
						12/19/2005	NM	NM
						8/21/2006	39.32	698.48
						9/24/2007	34.56	703.24

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
PW-19	260	235-250	516.6 - 501.6	751.6	754.1	11/5/2001	75.70	678.40
						9/17/2002	60.16	693.94
						9/11/2003	94.56?	Suspect data
						9/11/2003	52.75	701.35
						8/16/2004	53.18	700.92
						12/19/2005	54.11	699.99
						8/21/2006	54.50	699.60
						9/24/007	54.15	699.95
W-1	64.7	53.7-64.7	719.05-708.05	772.20	772.75	11/14/2000	42.08	730.67
						9/4/2001	24.12	748.63
						9/17/2002	48.07	724.68
						9/11/2003	36.39	736.36
						8/16/2004	38.00	734.75
						12/19/2005	40.78	731.97
						8/21/2006	41.87	730.88
W-2	35	23-35	703-691	723.30	726.00	11/14/2000	16.51	709.49
						9/4/2001	17.33	708.67
						9/17/2002	18.35	707.65
						9/11/2003	12.62	713.38
						8/16/2004	14.05	711.95
						8/21/2006	18.56	707.44
						9/224/07	16.30	709.70
W-4	19	9-19	703.64-693.64	710.30	712.64	11/14/2000	9.49	703.15
						9/4/2001	9.84	702.80
						9/17/2002	8.57	704.07
						9/11/2003	6.71	705.93
						8/16/2004	6.28	706.36
						12/19/2005	7.74	704.90
						8/21/2006	9.09	703.55
						9/24/2007	9.94	702.70
W-4A	38.5	28.5-38.5	684.75-674.75	712.00	713.25	11/14/2000	9.77	703.48
						9/4/2001	10.12	703.13
						9/17/2002	9.00	704.25
						9/11/2003	7.58	705.67
						8/16/2004	6.87	706.38
						12/19/2005	6.91	706.34
						8/21/2006	9.49	703.76
						9/24/2007	10.08	703.17
W-4B	50	52.7		711.70	713.93	11/14/2000	10.71	703.22
						9/4/2001	11.11	702.82
						9/17/2002	10.27	703.66
						9/11/2003	NM	NM
						8/16/2004	7.90	706.03
						12/19/2005	7.79	706.14
						8/21/2006	10.59	703.34
						9/24/2007	11.00	702.93

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
W-5	60	50-60	702.06-692.06	750.86	752.06	11/14/2000	32.28	719.78
						9/4/2001	33.84	718.22
						9/17/2002	38.61	713.45
						9/11/2003	26.85	725.21
						8/16/2004	29.64	722.42
						12/19/2005	32.30	719.76
						8/21/2006	33.11	718.95
						9/24/2007	32.50	719.56
W-6	57	42-57	701.8-686.8	742.17	743.80	11/14/2000	30.43	713.37
						9/4/2001	31.59	712.21
						9/17/2002	35.47	708.33
						9/11/2003	22.78	721.02
						8/16/2004	27.95	715.85
						12/19/2005	30.36	713.44
						8/21/2006	30.81	712.99
						9/24/2007	29.86	713.94
W-6A	90	80-90	664.9-654.9	742.91	744.90	11/14/2000	32.45	712.45
						9/4/2001	33.70	711.20
						9/17/2002	36.67	708.23
						9/11/2003	24.62	720.28
						8/16/2004	30.20	714.70
						12/19/2005	32.51	712.39
						8/21/2006	32.85	712.05
						9/24/2007	32.15	712.75
W-6B	35	20-35	724.39-709.39	743.13	744.39	11/14/2000	29.75	714.64
						9/4/2001	30.98	713.41
						9/17/2002	33.71	710.68
						9/11/2003	22.34	722.05
						8/16/2004	27.00	717.39
						12/19/2005	29.44	714.95
						8/21/2006	29.97	714.42
						9/24/2007	28.86	715.53
W-12	60	50-60	685.84-675.84	734.14	735.84	12/19/2005	21.65	714.19
						8/21/2006	NM	NM
						9/24/2007	20.96	714.88
W-12A	25	10-25	725.74-710.74	733.62	735.74	12/19/2005	21.61	714.13
						8/21/2006	NM	NM
						9/24/2007	NM	NM

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
W-13	20	10-20	744.4-734.7	752.40	754.70	11/14/2000	DRY	--
						9/4/2001	DRY	--
						9/17/2002	DRY	--
						9/11/2003	24.25	730.45
						8/16/2004	14.30	740.40
						8/21/2006	DRY	--
W-14	23	8-23	715.9-700.9	721.3	723.90	12/19/2005	16.68	707.22
						8/21/2006	NM	NM
						9/24/2007	13.32	710.58
W-15	55	35-55	727.36-707.36	760.0	762.36	8/21/2006	NM	NM
W-16	38	28-38	714.01-704.01	739.8	742.01	9/17/2002	29.73	724.97
						9/11/2003	NM	NM
						8/16/2004	NM	NM
						8/21/2006	NM	NM
W-17	20.5	23	687.44	708.4	710.44	12/19/2005	6.97	703.47
						8/21/2006	9.40	701.04
						9/24/2007	11.00	699.44
W-18	41.5	31.5-41.5	722.21-712.21	751.4	753.71	12/19/2005	35.01	718.70
						8/21/2006	36.45	717.26
						9/24/2007	37.10	716.61
W-19	40	30-40	717.33-707.33	744.3	747.33	8/21/2006	NM	NM
						9/24/2007	29.14	718.19
W-20	10	5-10	712.24-707.24	715.14	717.24	12/19/2005	5.14	712.10
						8/21/2006	6.65	710.59
						9/24/2007	7.10	710.14
W-21	33.4	33.4	684.78	716.00	718.18	11/14/2000	15.73	702.45
						9/4/2001	16.41	701.77
						9/17/2002	17.15	701.03
						9/11/2003	14.00	704.18
						8/16/2004	14.94	703.24
						12/19/2005	14.18	704.00
						8/21/2006	15.59	702.59
						9/24/2007	15.91	702.27
W-23A	75	65-75	707.66-697.66	770.18	772.66	11/14/2000	41.41	731.25
						9/4/2001	42.91	729.75
						9/17/2002	45.30	727.36
						9/11/2003	31.29	741.37
						8/16/2004	38.17	734.49
						12/19/2005	42.06	730.60
						8/21/2006	40.94	731.72
						9/24/2007	42.30	730.36

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
W-23B	55	40-55	731.89-716.89	769.60	771.89	11/14/2000	41.00	730.89
						9/4/2001	42.37	729.52
						9/17/2002	44.54	727.35
						9/11/2003	31.29	740.60
						8/16/2004	37.45	734.44
						12/19/2005	41.29	730.60
						8/21/2006	40.42	731.47
						9/24/2007	42.57	729.32
W-24	60	45-60	721.14-706.14	765.80	766.14	11/14/2000	40.45	725.69
						9/4/2001	42.61	723.53
						9/17/2002	NM	--
						9/11/2003	NM	--
						8/16/2004	NM	--
						12/19/2005	NM	--
						8/21/2006	NM	--
W-25	58	43-58	727.27-712.27	770.80	770.27	11/14/2000	40.58	729.69
						9/4/2001	42.47	727.80
						9/17/2002	46.25	724.02
						9/11/2003	35.75	734.52
						8/16/2004	NM	NM
						12/19/2005	NM	NM
						8/21/2006	NM	NM
W-26	53	38-53	721.65-706.65	759.20	759.65	11/14/2000	NM	NM
						9/4/2001	NM	NM
						9/17/2002	40.62	719.03
						9/11/2003	NM	NM
						8/16/2004	NM	NM
						8/21/2006	NM	NM
W-27	58.5	43.5-58.5	721.7-706.7	765.50	765.20	11/14/2000	39.86	725.34
						9/4/2001	41.37	723.83
						9/17/02	NM	NM
						9/11/2003	NM	NM
						8/16/2004	NM	NM
						8/21/2006	NM	NM
W-29	49.5	34.5-49.5	715.69-700.69	750.74	750.19	11/14/2000	28.22	721.97
						9/4/2001	29.68	720.51
						9/17/2002	28.01	722.18
						9/11/2003	NM	NM
						8/16/2004	NM	NM
						8/21/2006	NM	NM

TABLE 1
GROUND WATER ELEVATION DATA
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE
JAMESTOWN, NORTH CAROLINA

MONITOR WELL I.D.	TOTAL DEPTH (feet BGL)	SCREENED INTERVAL Depth (feet BGL)	SCREENED INTERVAL Elevation (feet MSL)	GROUND ELEVATION (feet MSL)	TOP OF CASING ELEVATION (feet MSL)	GAUGING DATE	DEPTH TO WATER (feet BTOC)	GROUND WATER ELEVATION (feet MSL)
W-30	53	38-53	722.77-707.77	761.00	760.77	11/14/2000	34.47	726.30
						9/4/2001	36.59	724.18
						9/17/2002	40.16	720.61
						9/11/2003	30.37	730.40
						8/16/2004	NM	NM
						12/19/2005	NM	NM
						8/21/2006	34.92	725.85
						9/24/2007	33.67	727.10
RW-NIS1	40	20-40	--	--	--	12/19/2005	10.51	--
RW-SIS1	50	30-50	--	--	--	12/19/2005	11.59	--
RW-SIS2	40	20-40	--	--	--	12/19/2005	6.48	--
RW-SIS3	40	20-40	--	--	713.60	12/19/2005	6.67	706.93
RW-SIS4	45	1545	--	--	713.16	12/19/2005	4.38	708.78
RW-SIS5						12/19/2005	9.22	
RW-SIS6						12/19/2005	5.28	
RW-LFS1	50	30-50	--	-	696.44	12/19/2005	14.71	681.73
RW-LFS2	50	30-50	--	--	697.48	12/19/2005	19.39	678.09

NM = Not measured
BGL = Below ground level
MSL = Mean sea level
BTOC = Below top of well casing

TABLE 2
GROUND WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
NC 2L Standard		**200**	**-**	**700**	**7**	**0.38**	**0.56**	**7**	**700**	**1**	**50**	**2800**	**0.19**	**70**	**29**	**5**	**0.7**	**1000**	**70**	**2.8**	**0.015**	**530**	**-**
MW-3B																							
	7/15/1998	ND	ND	ND	ND	ND	ND	**120J**	ND	**3J**	14	2J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2000	<5	<5	<5	<5	<5	<5	**160**	NA	<5	26	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/6/2001	<5	<5	<5	<5	<5	<5	**126**	<10	<5	12.6	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
MW-3C	8/6/1996	11	ND	150	**31**	**5**	ND	NA	ND	**6**	37	ND	ND	ND	ND	2J	**4J**	ND	ND	**14**	**13**	ND	ND
	1/28/1997	6	ND	92	**21**	**3.0**	ND	ND	ND	ND	41	14	ND	NA	ND	1J	ND	ND	ND	**9**	**10.0**	ND	ND
	9/26/2000	<5	<5	41	7.2	<5	<5	<100	NA	<5	32	<10	<5	21	<5	<5	<5	37	<5	<5	<10	<10	ND
	9/5/2001	<5	<5	22.6	<5	<5	<5	**117**	<10	<5	24.2	<10	<5	14.6	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/18/2002	<5	<5	18.4	<5	<5	<5	**94.6**	<10	<5	27.3	<10	<5	12	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/19/2003	<5	<5	<5	<5	<5	<5	**90**	<10	<5	13.4	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/17/2004	<5	<5	19.4	<5	<5	<5	**70.6**	<10	<5	30.0	<10	<5	12.4	<5	<5	<5	<5	<5	<5	<10	<5	ND
MW-6																							
	1/27/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/6/2001	<5	<5	<5	<5	<5	<5	**40.2**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/19/2002	<5	<5	<5	<5	<5	<5	**24.4**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	10/22/2003	<5	<5	<5	<5	<5	<5	**15.8**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/18/2004	<5	<5	<5	<5	<5	<5	**13.8**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
MW-10																							
(TD = 28 ft)	1/27/1997	ND	ND	6	ND	ND	ND	**120.0**	ND	**2J**	ND	ND	ND	NA	ND	ND	ND	ND	ND	1J	ND	ND	ND
	7/14/1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2000	<5	<5	7.6	<5	<5	<5	**250**	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/6/2001	<5	<5	<5	<5	<5	<5	**335**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/19/2002	<5	<5	<5	<5	<5	<5	**234**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/16/2003	<5	<5	<5	<5	<5	<5	**221**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/19/2004	<5	<5	<5	<5	<5	<5	**198**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
MW-11																							
	1/23/1997	5J	ND	4J	3J	ND	ND	ND	ND	**4J**	9	ND	ND	NA	10	ND	ND	ND	ND	ND	ND	2J	1
	9/28/2000	<5	<5	<5	<5	<5	<5	**270**	NA	**8.6**	12	<10	<5	<5	<5	**7.7**	<5	<5	<5	<5	<10	<10	ND
	9/10/2001	<5	<5	<5	<5	<5	<5	**288**	<10	**10.6**	15.3	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/18/2002	<5	<5	<5	<5	<5	<5	**283**	<10	**11.1**	13.7	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	126
	9/19/2003	<5	<5	<5	<5	<5	<5	**94.2**	<10	**7.4**	16.8	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/17/2004	<5	<5	<5	<5	<5	<5	**94.1**	<10	**11.5**	14.4	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
MW-12A																							
	1/23/1997	2J	ND	ND	3J	ND	ND	ND	ND	**2J**	ND	ND	ND	NA	ND	ND	ND	2J	ND	2J	ND	ND	ND
	7/10/1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/30/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/6/2001	<5	<5	<5	<5	<5	<5	<10	12.3	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/20/2002	<5	<5	<5	<5	<5	<5	**11.7**	14.9	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/16/2003	<5	<5	<5	<5	<5	<5	**11.9**	15.6	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/18/2004	<5	<5	<5	<5	<5	<5	<10	43.7	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND

TABLE 2
GROUND WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs	
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
NC 2L Standard		**200**	**-**	**700**	**7**	**0.38**	**0.56**	**7**	**700**	**1**	**50**	**2800**	**0.19**	**70**	**29**	**5**	**0.7**	**1000**	**70**	**2.8**	**0.015**	**530**	**-**	
MW-12B																								
	1/23/1997	6	ND	2J	ND	ND	ND	ND	ND	ND	8	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	7/10/1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	9/28/2000	<5	<5	<5	<5	<5	<5	**510**	NA	<5	18	<10	<5	11.0	<5	**28**	<5	<5	<5	<5	<10	<10	ND	
	9/6/2001	<5	<5	<5	<5	<5	<5	**359**	<10	<5	12	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/20/2002	<5	<5	<5	<5	<5	<5	**211**	<10	<5	10.2	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/16/2003	<5	<5	<5	<5	<5	<5	**250**	<10	<5	12.4	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/18/2004	<5	<5	<5	<5	<5	<5	**182**	<10	<5	13.7	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
MW-12D																								
	9/10/1998	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	
	9/29/2000	<5	<5	<5	<5	<5	<5	**120**	NA	<5	<5	<10	<5	<5	<5	**12**	<5	<5	<5	<5	<10	<10	ND	
	9/20/2002	<5	<5	<5	<5	<5	<5	<10	21.9	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	9.5	
	10/22/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
MW-15A																								
	9/5/2001	<5	<5	<5	<5	<5	<5	**2,640**	<10	<5	**517**	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/18/2002	<5	<5	<5	<5	<5	<5	**1,500**	<10	<5	**635**	<10	<5	5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/17/2003	<25	<25	<25	<25	<25	<25	**1,910**	<50	<25	**514**	<50	<25	<25	<25	<25	<25	<25	<25	<25	<50	<25	ND	
	8/18/2004	<25	<25	<25	<25	<25	<25	**2,720**	<50	<25	**489**	<50	<25	<25	<25	<25	<25	<25	<25	<25	<50	<25	ND	
OW-DR1																								
	9/28/2000	**360**	<5	**4,300**	**1,000**	**150**	<5	**2,900**	NA	**150**	**6,600**	**3,300**	<5	**4,100**	**33**	**310**	**18**	420	26	**14**	**2,400**	210	ND	
OW-DR2																								
	7/21/1998	**400J**	NA	**1500D**	**480J**	ND	NA	**3400J**	ND	**150**	**2900D**	1100D	NA	NA	NA	ND	**40J**	460J	NA	**22**	ND	250J	910	
	9/26/2000	**460**	<5	**4,200**	**1,400**	**220**	<5	**4,900**	NA	**170**	**5,600**	1,300	<5	**3,500**	25	**120**	**19**	260	**77**	**28**	**2,800**	161	ND	
	9/10/2001	**695**	<5	**4,950**	**1,330**	**208**	<5	**3,450**	<10	**145**	**5,980**	1,380	<5	**5,700**	27	**107**	**36**	271	11.3	**27.8**	**2,880**	196	ND	
OW-DR3																								
	9/20/2002	<5	<5	221	<5	**15.4**	<5	**1,050**	<10	**11.3**	**1,840**	778	<5	8.9	<5	**29.5**	<5	<5	<5	<5	**35.3**	<5	ND	
	9/19/2003	<5	<5	201	<5	**14.7**	<5	**690**	<10	**6.1**	**1,390**	455	<5	11.1	<5	**12**	<5	<5	<5	<5	**35.5**	<5	ND	
	8/24/2004	<50	<50	452	<50	<50	<50	**1,260**	<100	<50	**1,910**	675	<50	<50	<50	<50	<50	<50	<50	<50	**106**	<50	ND	
	10/12/2004	<5	<5	353	<5	**14.2**	<5	**916**	<10	**6.9**	**1,480**	553	<5	26.2	<5	**11.5**	<5	<5	<5	<5	**77.1**	<5	ND	3,438
OW-DR4																								
	9/23/2002	**1,860**	<5	**4,320**	**2,010**	**226**	<5	**1,570**	<10	**121**	**323**	282	<5	**7,630**	5.4	**27.6**	**55.3**	27.3	11.7	**66.1**	**1,880**	86.7	ND	
	9/22/2003	**1,350**	<50	**4,850**	**1,860**	**181**	<50	**2,200**	<100	**107**	**562**	311	<50	**8,960**	<50	<50	<50	<50	<50	**65.4**	**1,530**	53.5	ND	
	8/24/2004	**1,840**	<250	**4,630**	**2,100**	**298**	<250	**1,480**	<500	<250	**608**	<250	<250	**7,880**	<250	<250	<250	<250	<250	<250	**1,680**	<250	ND	
	10/12/2004	**810**	<5	**3,110**	**1,230**	**167**	<5	**2,190**	<10	**77**	**353**	<10	<5	<5	<5	<5	**35.3**	<5	18.8	**39.3**	**987**	50.0	ND	9,067
	10/20/2004	**1,700**	<250	**4,480**	**2,240**	<250	<250	**2,120**	<500	<250	**522**	<500	<250	**8,030**	<250	<250	<250	<250	<250	<250	**1,590**	51.0	ND	20,733
OW-SIS-1																								
	8/17/2004	**1,770**	6.0	**768**	**1,580**	**201**	<5	**811**	<10	**95**	**111**	<10	18.3	**3,150**	<5	**160**	**215**	<5	<5	**774**	**213**	12.8	ND	

TABLE 2
GROUND WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs	
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
NC 2L Standard		200	-	700	7	0.38	0.56	7	700	1	50	2800	0.19	70	29	5	0.7	1000	70	2.8	0.015	530	-	
PW-4I																								
	1/29/1997	19.0	ND	440	19.0	280	ND	ND	ND	3J	210	10J	ND	NA	ND	ND	4J	4J	ND	7J	100	4J	ND	
	7/13/1998	ND	ND	240D	26J	200D	ND	ND	ND	3J	110J	ND	ND	140J	ND	ND	10J	2J	ND	11J	130DJ	ND	140.0	
	9/26/2000	37.0	<5	290	28.0	200	<5	<100	NA	<5	160	<10	<5	190	<5	<5	8	<5	<5	30	120	<10	ND	
	9/12/2001	47.8	<5	378	49.2	256	<5	108	<10	<5	211	<10	<5	277	<5	<5	30.6	<5	<5	47.4	127	<5	ND	
	9/19/2002	55.8	<15	451	64	306	<15	156	<30	<15	253	<30	<15	336	<15	<15	33.7	<15	<15	53.1	152	<15	ND	
	10/22/2003	95.3	<5	340	84	247	<5	232	<10	<5	228	<10	<5	361	<5	<5	18.7	<5	<5	27.5	147	<5	ND	
	8/26/2004	78.1	<20	359	78.9	409	<20	215	<40	<20	266	<40	<20	357	<20	<20	39.9	<20	<20	50.6	143	<20	ND	
PW-5D																								
	1/30/1997	ND	ND	20.0	ND	2.0	ND	ND	76.0	2J	140	33.0	8.0	NA	ND	26	ND	10	ND	ND	18	ND	91	
	7/14/1998	96J	ND	550D	ND	38.0	ND	1,300	ND	61J	3,800	ND	ND	22.0	19J	ND	9J	260D	3J	5J	ND	99J	31	
	9/26/2000	360	<5	2,400	500	150	<5	2,300	NA	110.0	4,300	220.0	<5	1,600	21	6.3	17	180	31	28	1,000	104	ND	
	9/10/2001	437	<5	2,310	534	168	<5	1,680	<10	90.6	4,110	156.0	<5	2,280	19.3	11.1	31.7	205	6.6	30.8	1,270	105	ND	
	9/23/2002	552	<5	2,500	694	211	<5	1,920	<10	90.1	3,460	190.0	<5	2,900	16.9	6	27.6	169	7.5	26.2	1,330	101	ND	
	9/19/2003	<5	<5	57.6	<5	<5	<5	412	110.0	<5	164	<10	<5	9	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/18/2004	534	<5	2,360	757	177	<5	1,260	<10	78.0	3,240	<10	<5	2,980	15.6	<5	32.1	131	<5	15.7	1,280	85	ND	
	10/12/2004	166	<5	842	235	57.4	<5	2,420	33.4	31.6	1,240	<10	<5	921	5.7	<5	9.5	44.0	<5	5.8	417	28.4	ND	6,457
PW-6D																								
	7/21/1998	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	
	10/2/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND	
	9/12/2001	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/19/2002	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	10/20/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/25/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
PW-6I																								
	1/28/1997	ND	ND	11	ND	1J	ND	ND	ND	ND	14	4J	ND	NA	ND	1J	ND	ND	ND	2J	ND	ND	ND	
	7/14/1998	ND	ND	10	ND	ND	ND	ND	ND	ND	14	4J	ND	5	ND	ND	5	ND	ND	3J	ND	ND	5	
	9/26/2000	<5	<5	12	<5	<5	<5	<100	NA	<5	8.4	<10	<5	8.3	<5	<5	<5	<5	<5	<5	<10	<10	ND	
	9/12/2001	<5	<5	10.7	<5	<5	<5	<10	<10	<5	7.2	<10	<5	9.9	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/19/2002	<5	<5	12.2	<5	<5	<5	<10	<10	<5	9.0	<10	<5	9.8	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	10/20/2003	<5	<5	12.1	<5	<5	<5	11.6	<10	<5	9.9	<10	<5	13	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/25/2004	<5	<5	10.6	<5	<5	<5	11.7	<10	<5	6.2	<10	<5	13.0	<5	<5	<5	<5	<5	<5	<10	<5	ND	
PW-7I																								
	2/6/1997	ND	ND	2J	ND	ND	ND	ND	7J	ND	1J	ND	ND	NA	ND	ND	ND	ND	ND	1J	ND	ND	ND	
	7/17/1998	86	ND	16	37	23	ND	ND	ND	2J	77	ND	ND	50	ND	ND	65	9	ND	21	4J	3J	50	
	9/28/2000	<5	<5	9.2	15	7.2	<5	<100	NA	<5	18	<10	<5	36	<5	14	<5	<5	<5	<5	<10	<10	ND	
	9/12/2001	<5	<5	<5	<5	<5	<5	150	<10	<5	8.1	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/20/2002	<5	<5	<5	<5	<5	<5	126	<10	<5	7.7	<10	<5	5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	10/22/2003	<5	<5	<5	<5	<5	<5	144	<10	<5	9.8	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/25/2004	<5	<5	<5	<5	<5	<5	191	<10	<5	8.4	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	

TABLE 2
GROUND WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
NC 2L Standard		**200**	**-**	**700**	**7**	**0.38**	**0.56**	**7**	**700**	**1**	**50**	**2800**	**0.19**	**70**	**29**	**5**	**0.7**	**1000**	**70**	**2.8**	**0.015**	**530**	**-**
PW-8S																							
	1/28/1997	ND	ND	ND	ND	ND	ND	ND	670J	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/13/1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	ND	ND	ND	ND	ND	ND	ND	ND	10
	9/27/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	7.7	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/6/2001	<5	<5	<5	<5	<5	<5	**14.5**	<10	<5	6.1	<10	<5	8.1	<5	<5	<5	<5	<5	<5	<10	<5	8.7
	9/17/2003	<5	<5	<5	<5	<5	<5	<10	163	<5	11.3	<10	<5	6.0	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/17/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	7.7	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
PW-10D																							
(TD=200 ft)																							
	9/10/1998	ND	ND	6.0	ND	ND	ND	ND	ND	ND	ND	9J	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
	9/26/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/12/2001	<5	<5	<5	<5	<5	<5	**10.8**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/19/2002	<5	<5	<5	<5	<5	<5	<10	10.4	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/19/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/17/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
PW-10I																							
(TD=100 ft)	1/27/1997	ND	ND	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	1J	ND	ND	ND	ND	ND	ND	ND
	7/10/1998	ND	ND	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/26/2000	<5	<5	14	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/11/2001	<5	<5	12.9	<5	<5	<5	**31.4**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/19/2002	<5	<5	<5	<5	<5	<5	**14.7**	24.6	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/18/2003	<5	<5	17	<5	<5	<5	**109**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/17/2004	<5	<5	16.7	<5	<5	<5	**61.3**	<10	<5	<5	<10	<5	5.0	<5	<5	<5	<5	<5	<5	<10	<5	ND
PW-11I																							
	7/22/1997	ND	ND	ND	ND	ND	**8J**	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	**450**	ND	ND	ND
	7/16/1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	47	ND	ND	ND	ND	ND	**260D**	ND	ND	47
	9/29/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	26	<5	<5	<5	<5	<5	**130**	<10	<10	ND
	9/11/2001	<5	<5	<5	<5	<5	<5	**14.3**	<10	<5	<5	<10	<5	34.8	<5	<5	<5	<5	<5	**205**	<10	<5	ND
	9/18/2002	<5	<5	<5	<5	<5	<5	**22.3**	<10	<5	<5	<10	<5	38.1	<5	<5	<5	<5	<5	**214**	<10	<5	ND
	9/23/2003	<10	<10	<10	<10	<10	<10	**50.3**	<20	<10	<10	<20	<10	**87.3**	<10	<10	<10	<10	<10	**378**	<20	<10	ND
	8/25/2004	<10	<10	21.5	<10	<10	<10	**31.3**	<20	<10	<10	<20	<10	**82.7**	<10	<10	<10	<10	<10	**229**	<20	<10	ND
PW-12D																							
	9/12/2001	<5	<5	<5	<5	<5	<5	**14.4**	39.6	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
PW-12I																							
	7/22/1997	ND	ND	ND	ND	ND	ND	ND	6J	ND	ND	ND	ND	NA	ND	2J	ND	ND	ND	ND	ND	ND	ND
	7/16/1998	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10/2/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/12/2001	<5	<5	<5	<5	<5	<5	1.0	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/19/2002	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	10/22/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/17/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/29/2006	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	9/27/2007	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND

TABLE 2
GROUND WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
NC 2L Standard		**200**	**-**	**700**	**7**	**0.38**	**0.56**	**7**	**700**	**1**	**50**	**2800**	**0.19**	**70**	**29**	**5**	**0.7**	**1000**	**70**	**2.8**	**0.015**	**530**	**-**
PW-13I																							
	7/22/1998	16/14	NA	77/76	**35/26**	ND/ND	NA	ND/ND	ND/ND	**2J/2J**	6/6	ND/4J	NA	NA	NA	ND/ND	**3J/2J**	8/8	NA	**4J/4J**	**34/36**	ND/ND	110/110
	9/29/2000	27	<5	240	**120**	**12**	<5	<100	NA	**8.2**	11.0	11.0	<5	**220**	<5	<5	<5	<5	5.4	**6.2**	**93**	<10	ND
	9/12/2001	16.4	<5	275	**89.0**	**14.1**	<5	**70.9**	<10	**7.8**	10.4	10.9	<5	**305**	<5	<5	<5	<5	<5	**5.2**	**87.6**	<5	ND
	9/20/2002	<15	<15	243	**67.4**	<15	<15	**128**	<30	<15	<15	<30	<15	**270**	<15	<15	<15	<15	<15	<15	**91**	<15	ND
	9/23/2003	11.7	<10	321	**92.2**	**14.3**	<10	**118**	<20	<10	21.7	<20	<10	**358**	<10	<10	<10	<10	<10	<10	**90.4**	<10	ND
	8/25/2004	<5	<5	353	**116**	**22.2**	<5	**166**	<10	**10.7**	47.0	13.4	<5	**405**	<5	<5	**5.6**	<5	<5	**8.4**	**138**	<5	ND
PW-14D																							
	7/22/1998	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
	10/31/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/10/2001	<5	<5	<5	<5	<5	<5	<10	73.1	<5	<5	<10	<5	<5	<5	**7.6**	<5	<5	<5	<5	<10	<5	ND
	9/17/2003	<5	<5	<5	<5	<5	<5	<10	70.7	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/17/2004	<5	<5	<5	<5	<5	<5	<10	25.2	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/29/2006	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<2/<2	16.3/18.1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<1/<1	<2/<2	ND
	7/26/2007	<1	<1	<1	<1	<1	<1	<2	12.6	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
PW-14S																							
	7/23/1998	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
	10/30/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/6/2001	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/16/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/19/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/29/2006	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	7/28/2007	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
PW-15D																							
	7/21/1998	ND	NA	150	ND	**8**	NA	**320J**	ND	ND	14.0	220D	NA	NA	NA	**75.0**	**3J**	ND	NA	**3J**	**38.0**	ND	10.0
	10/31/2000	46.0	<5	**710**	**57**	**19**	<5	**1,800**	NA	**73.0**	**5,100**	690	<5	**220**	<5	**68.0**	<5	25.0	5.4	**6.5**	**200**	22.0	ND
	9/6/2001	<5	<5	**1,150**	<5	<5	<5	**3,650**	<10	<5	**5,930**	813	<5	**653**	<5	<5	<5	<5	<5	<5	**386**	<5	ND
	9/16/2003	24.0	<5	**349**	**78.2**	**14.1**	<5	**622**	<10	<10	**728**	162	<5	**352**	<5	20.1	<5	<5	<5	<5	**118**	<5	ND
	8/19/2004	<5	<5	**105**	**19.7**	<5	<5	**126**	<10	<10	**107**	27.0	<5	**104**	<5	<5	<5	<5	<5	<5	**17.8**	<5	ND
	8/29/2006	234.0	<10	**1,450**	**507.0**	65.2	<10	**1,650**	<50	57.3	**1,910**	200.0	<10	**1,920**	<10	16.9	10.1	<10	<10	<10	**550.0**	<20	ND
	9/26/2007	<1	<1	1.8	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
PW-15S																							
	7/21/1998	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND
	10/30/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/6/2001	<5	<5	<5	<5	<5	<5	**11.0**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/16/2003	<5	<5	<5	<5	<5	<5	**24.6**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/19/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND
	8/29/2006	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	9/25/2007	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	1.5	<1	<1	<1	<1	<1	<1	<1	<2	ND

TABLE 2
GROUND WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs	
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
NC 2L Standard		**200**	**-**	**700**	**7**	**0.38**	**0.56**	**7**	**700**	**1**	**50**	**2800**	**0.19**	**70**	**29**	**5**	**0.7**	**1000**	**70**	**2.8**	**0.015**	**530**	**-**	
PW-16D																								
	7/22/1998	ND	NA	130	ND	**6.0**	NA	**87.0**	ND	**7.0**	**380**	140.0	NA	NA	NA	ND	**3J**	ND	NA	**6.0**	**16.0**	ND	11.0	
	11/2/2000	<120	<120	210	<120	<120	<120	<2500	NA	<120	**1,400**	<250	<120	<120	<120	<120	<120	<120	<120	<120	<250	<250	ND	
	9/6/2001	10.6	<5	355	**12.3**	**8.9**	<5	**788**	<10	**29.3**	**2,580**	250	<5	**71.5**	<5	**22.7**	<5	<5	<5	<5	**55.2**	<5	ND	
	9/17/2003	<100	<100	501	<100	<100	<100	**858**	<200	<100	**2,680**	<200	<100	**285**	<100	<100	<100	<100	<100	<100	<200	<100	ND	
	8/19/2004	<50	<50	353	<50	<50	<50	**729**	<100	<50	**1,200**	119	<50	**215**	<50	<50	<50	<50	<50	<50	106	<50	ND	
	8/29/2006	71.8	<10	732	178.0	31.5	<10	**889**	<50	31.1	**1,370**	78	<10	**709**	<10	<10	<10	<10	<10	<10	266	<20	ND	
	9/25/2007	<20	<20	844	247.0	36.5	<20	**882**	<100	36.8	**1,700**	75.5	<20	**957**	<20	<20	<20	<20	<20	<20	351	<40	ND	
PW-16S																								
	7/22/1998	ND	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	NA	ND	ND	ND	ND	
	10/30/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND	
	9/6/2001	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/17/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/19/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/29/2006	<1	<1	<1	<1	<1	<1	<2	6.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND	
	9/26/2007	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND	
PW-17																								
	11/3/2000	<5	<5	<5	<5	<5	<5	**160.0**	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND	
	12/20/2000	<5/<2	<5/<2	<5/<2	<5/<2	<5/NA	<5/<10	<100/<100	NA/<100	<5/<2	<5/<10	<10/<10	<5/<2	<5/<2	<5/<2	<5/<10	<5/<2	<5/<2	<5/<2	<5/<2	<10/<2	<10/<5	ND	
	9/12/2001	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/19/2002	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/22/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/25/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/29/2006	<1	<1	<1	<1	<1	<1	<2	8.8	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND	
	9/27/2007	<1	<1	<1	<1	<1	<1	<2	6.3	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND	
PW-18																								
(TD = 225 ft)	11/7/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	19.0	<5	<5	<10	<10	ND	
	12/20/2000	<5/<2	<5/<2	<5/<2	<5/<2	<5/NA	<5/<10	<100/<100	NA/<100	<5/<2	<5/<10	<10/<10	<5/<2	<5/<2	<5/<2	<5/<10	<5/<2	<5/<2	<5/<2	<5/<2	<10/<2	<10/<5	ND	
	9/11/2001	<5	<5	<5	<5	<5	<5	<10	24.3	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/16/2003	<5	<5	<5	<5	<5	<5	<10	195	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	8.9	ND	
	8/19/2004	<5	<5	<5	<5	<5	<5	**22.8**	119	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	6.8	ND	
	10/1/2004	<5	<5	<5	<5	<5	<5	<10	27.4	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/29/2006	<1	<1	<1	<1	<1	<1	<2	151.0	<1	<1	<1	<	<1	1.7	<1	<1	1.2	<1	<1	<1	16.3	93.8	
	9/26/2007	<1	<1	<1	<1	<1	<1	<2	108.0	<1	<1	<1	<	<1	1.3	<1	<1	<1	<1	<1	<1	12.0	71.1	
PW-19	11/6/2001	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/19/2002	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/16/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/18/2004	<5	<5	<5	<5	<5	<5	**97.8**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	10/1/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	8/29/2006	<1	<1	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	3.7	
	9/27/2007	<1	<1	<1	<1	<1	<1	<2	5.0	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND	
PW-DR-1	9/8/2004	<5	<5	10.7	<5	<5	<5	**164**	<10	<5	40.2	16.6	<5	16.4	<5	<5	<5	<5	<5	<5	<5	<5	ND	248
	9/23/2004	<5	<5	5.6	<5	<5	<5	**209**	<10	<5	31.3	13.6	<5	8.3	<5	<5	<5	<5	<5	<5	<10	<5	ND	268
	10/8/2004	<5	<5	5.6	<5	<5	<5	**213**	<10	<5	30.8	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	249
PW-SIS1	8/25/2004	**201**	<5	**3,370**	**765**	**223**	<5	**2,500**	<10	**69.5**	39.0	<10	<5	**5,060**	<5	**110**	**49.9**	<5	<5	**69.8**	**376**	15.1	ND	

TABLE 2
GROUND WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs	
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
NC 2L Standard		**200**	**-**	**700**	**7**	**0.38**	**0.56**	**7**	**700**	**1**	**50**	**2800**	**0.19**	**70**	**29**	**5**	**0.7**	**1000**	**70**	**2.8**	**0.015**	**530**	**-**	
W-1	1/29/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3J**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	
	9/27/2000	<5	<5	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	ND	
	9/10/2001	<5	<5	<5	<5	<5	<5	**12.4**	<10	<5	<5	<10	<5	<5	<5	<5	**8.4**	<5	<5	<5	<10	<5	ND	
	9/18/2002	<5	<5	<5	<5	<5	<5	**11.5**	<10	<5	<5	<10	<5	<5	<5	<5	**8.2**	<5	<5	<5	<10	<5	ND	
	9/17/2003	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	**76.4**	<5	<5	**9.7**	<10	<5	ND	
	8/17/2004	<5	<5	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	**33.7**	<5	<5	**9.3**	<10	<5	ND	
W-4	2/6/1997	47.0	ND	640	**86.0**	**23J**	ND	ND	6J	**30.0**	8J	35J	ND	NA	7J	ND	ND	7J	ND	ND	**280.0**	5J	450.0	
	9/27/2000	14.0	<5	200	**57.0**	**8.4**	<5	<100	NA	**8.7**	<5	<10	<5	**170**	<5	<5	<5	<5	6.7	<5	**60.0**	<10	ND	
	9/10/2001	<5	32.7	<5	<5	<5	<5	**16.5**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/17/2002	<5	<5	<5	<5	<5	<5	**18.2**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	ND	
	9/17/2003	27.9	<5	135	56.9	10.9	<5	**162**	<10	<5	<5	<10	<5	**248**	<5	<5	<5	<5	<5	**8.1**	**45.2**	<5	ND	
	8/17/2004	136	<10	432	**331**	**35.2**	<10	**547**	<20	**17.0**	14.5	<20	<10	**1,010**	<10	<10	**13.0**	<10	<10	**10.4**	**91.2**	<10	ND	
W-4A	1/28/1997	**13,000**	ND	**11,000**	**5,700.0**	**540.0**	ND	ND	ND	**890J**	ND	ND	ND	NA	ND	**39,000**	ND	**1,300**	ND	ND	**2,600**	280J	1,060.0	74,200
	9/27/2000	**380**	<5	**4,300**	**1,500**	**160.0**	<5	**2,100**	NA	**230**	**67**	50	<5	**4,500**	12.0	**1,300**	**38.0**	57.0	**260.0**	**42.0**	**870**	66.0	8.3	15,940
	9/10/2001	**619**	<5	**10,400**	**3,560**	**316.0**	<5	**2,770**	<10	<5	**125**	111	<5	**12,400**	**40.4**	**4,350**	**52.6**	126.0	19.3	**43.8**	**2,100**	169.0	13.1	37,215
	9/17/2002	**515**	<5	**9,120**	**2,490**	**207.0**	<5	**1,950**	<10	**273**	**105**	95.7	<5	**10,500**	24.4	**3,570**	**38.5**	59.4	10.9	**28.5**	**2,330**	122	ND	31,439
	9/17/2003	**83**	<5	**1,350**	**544**	**68.1**	<5	**1,090**	<10	**73**	**29.1**	18.5	<5	**1,740**	<5	<5	**16.8**	15.1	<5	**16**	**286**	22.4	ND	5,351
	8/17/2004	<100	<100	**5,390**	**2,070**	**182**	<100	**1,870**	<200	**225**	**111**	<100	<100	**7,330**	<100	**831**	<100	<100	<100	<100	**1,230**	118	ND	19,357
W-5	8/7/1996	**110,000**	ND	**27,000**	**21,000**	ND	ND	NA	**19,000**	**2100J**	**1,700**	**9400J**	ND	ND	ND	**140,000**	**6,900**	**13,000**	ND	ND	**36,000**	**3900J**	77,000	
	2/24/1997	**98,000**	ND	**26,000**	**19,000**	**2,000**	ND	ND	**34,000**	**2200J**	**1,800**	**9100J**	ND	ND	**1100J**	**130,000**	**5,600**	**15,000**	ND	**24,000**	**33,000**	**5,200**	9,300	
	10/30/2000	**95,000**	91.0	**22,000**	**31,000**	**1,100**	**17.0**	**24,000**	NA	**1,000**	**1,200**	2,200.0	**190.0**	**72,000**	**760**	**100,000**	**3,500**	**8,900**	**340.0**	**11,000**	**25,000**	**2,540**	370	
	9/10/2001	**144,000**	<5	**14,000**	**33,300**	<5	<5	**13,800**	<10	<5	<5	<10	<5	**53,900**	<5	**63,200**	**7,710**	**9,270**	<5	**27,000**	**12,500**	<5	ND	
	9/19/2002	**121,000**	<5,000	**45,400**	**122,000**	<5,000	<5,000	**14,300**	<10,000	**7,780**	**11,100.0**	<10,000	<5,000	**74,300**	**5,880**	**93,100**	**28,900**	**35,300**	<5,000	**38,300**	**39,500**	**28,400**	7,530	
	9/17/2003	**135,000**	<5,000	**9,220**	**31,800**	<5,000	<5,000	**11,300**	<10,000	<5,000	<5,000	<10,000	<5,000	**56,400**	<5,000	**81,900**	**6,340**	**7,580**	<5,000	**28,400**	<10,000	<5,000	ND	
	8/18/2004	**177,000**	<5000	**5,290**	**36,600**	<5000	<5,000	**4,110**	<10,000	<5,000	<5,000	<10,000	<5,000	**41,400**	<5,000	**48,900**	**10,800**	**10,400**	<5,000	**41,200**	<10,000	<5,000	ND	
W-6A	2/5/1997	**10,000**	ND	**65,000**	**16,000.0**	**48,000.0**	ND	ND	**150,000**	ND	**21,000**	ND	ND	ND	ND	**310,000**	**3200J**	**12,000**	ND	ND	**6800J**	ND	97,000.0	
	9/28/2000	**31,000**	280	**69,000**	**24,000.0**	**71,000.0**	<5	**81,000.0**	NA	<5	**17,000**	940	**160**	**100,000**	**550**	**410,000**	**3,200**	**14,000**	**660**	**3,100**	**9,900**	**1,950**	300.2	
W-21	1/31/1997	**340**	ND	130.0	**210**	**110.0**	ND	**240J**	ND	ND	ND	18J	**3J**	ND	ND	3J	**47.0**	ND	ND	**54.0**	**77.0**	ND	ND	
	9/28/2000	190	<5	120	**140**	**74.0**	<5	**520**	NA	<5	<5	<10	<5	**220**	<5	<5	**97.0**	<5	<5	**73.0**	**60.0**	<10	ND	
	9/10/2001	129	<5	101	**140**	**57.8**	<5	**407**	<10	<5	<5	<10	<5	**271**	<5	<5	**116**	<5	<5	**72.7**	**41.4**	<5	ND	
	9/17/2002	127	<5	188	**163**	**36.2**	<5	**458**	<10	5.2	<5	<10	<5	**498**	<5	<5	**102**	<5	<5	**98.0**	**100**	<5	ND	
	9/17/2003	106	<5	140	**151**	**44.6**	<5	**743**	<10	<5	<5	<10	<5	**384**	<5	<5	**140**	<5	<5	**105**	**76.7**	<5	ND	
	8/17/2004	71.2	<10	114	**124**	**47.4**	<10	**821**	<20	<10	<10	<20	<10	**333**	<10	<10	**95.2**	<10	<10	**81.5**	**73.5**	<10	ND	
RW-SIS-1	9/23/2004	<5	<5	15.5	<5	<5	<5	**653**	<10	<5	46.6	103	<5	16.4	<5	<5	<5	<5	<5	<5	<5	<5	ND	

ug/l = micrograms per liter
J = Estimated value
B = Analyte detected in associated method blank as well as sample
ND = Not detected NA = Not Analyzed

Bold type indicates value exceeds NC 2L ground water standard
Values separated by slash (/) indicate split sample results
NC 2L Standard = North Carolina 2L ground water quality standard

TABLE 3B
GROUND WATER ANALYTICAL RESULTS FOR STREAMBED PIEZOMETER SAMPLES - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample Description	Sample Date	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,3-Trichlorobenzene	1,2-Dichlorobenzene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dichlorobenzene	1,4-Dioxane (P-Dioxane)	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	cis-1,2-Dichloroethene	Dichlorodifluoromethane	Ethylbenzene	Methylene Chloride	Naphthalene	n-Propylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Trichlorofluoromethane	Vinyl Chloride	Xylene (Total)	Other VOCS
		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
NC 2L Standard		**200**		**700**	**7**		**620**	**0.38**	**0.56**	**75**	**7**	**1**	**0.3**	**50**	**2800**	**0.19**	**70**	**1400**	**29**	**5**	**21**	**70**	**0.7**	**1000**	**70**	**2.8**	**2100**	**0.015**	**530**	**-**
Deep River																														
DRP-2	7/15/1997	**730**	ND	**2700**	**730**	ND	ND	**170J**	ND	ND	ND	**110J**	ND	**500**	380	ND	ND	ND	ND	ND	ND	ND	**28J**	72J	ND	**52J**	ND	**1400**	72J	ND
	9/4/1997	**1000**	ND	**4000**	**960**	ND	ND	**220**	ND	ND	ND	ND	ND	**450**	ND	ND	**5000**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1800**	ND	ND
	7/21/1998	**440D**	ND	**1500**	**420**	ND	ND	ND	ND	ND	1700	**54**	ND	**280**	ND	ND	**2000**	ND	7	ND	ND	ND	**22**	34	28J	**13**	ND	**1200D**	51	2003
	11/3/2000	<120	<120	**2400**	<120	<120	<120	<120	<120	<120	**4100**	<120	<120	**4000**	**990**	<120	**1000**	<250	<120	<120	<120	<120	<120	210	<120	<120	<250	**1100**	<250	ND
	9/14/2001	120	<5	**2910**	**182**	NA	<10	**144**	<5	<10	**3570**	**89.2**	<5	**3770**	548	<5	**1970**	NA	14.8	**31**	<10	NA	**12.9**	173	6.9	**10.3**	NA	**999**	107	42.2
	9/24/2002	**289**	<150	**3640**	**575**	NA	NA	**193**	<150	NA	**3240**	<150	<150	**3660**	602	<150	**4090**	NA	<150	<150	NA	NA	<150	207	<150	<150	NA	**1920**	<150	ND
	9/15/2003	<5	<5	<5	<5	NA	NA	<5	<5	NA	**23**	<5	<5	22	<10	<5	7.6	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
	8/23/2004	<5	<5	<5	<5	NA	NA	<5	<5	NA	**51.2**	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
DRP-4	7/15/1997	ND	ND	360J	ND	ND	ND	ND	ND	ND	ND	**130J**	ND	**13000**	**4700**	ND	ND	ND	ND	**560J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/4/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10000**	**5200**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/3/2000	<5	<5	<5	<5	<5	<5	<5	<5	<5	**110 B**	<5	<5	<5	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	ND
	9/14/2001	<5	<5	<5	<5	NA	NA	<5	<5	NA	**154**	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	12.9
	9/24/2002	<5	<5	<5	<5	NA	NA	<5	<5	NA	**108**	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
	9/16/2003	<5	<5	<5	<5	NA	NA	<5	<5	NA	**180**	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	24.2
	8/24/2004	<5	<5	<5	<5	NA	NA	<5	<5	NA	**129**	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
DRP-40	9/14/2001	<5	<5	<5	<5	NA	<10	<5	<5	<10	**26.7**	<5	<5	32.6	<10	<5	<5	NA	<5	<5	<10	NA	<5	<5	<5	<5	NA	<10	<5	0
DRP-50	9/14/2001	<5	<5	<5	<5	NA	<10	<5	<5	<10	<10	<5	<5	5.3	<10	<5	<5	NA	<5	<5	<10	NA	<5	<5	<5	<5	NA	<10	<5	0
DRP-10	9/4/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/3/2000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<5	<5	<5	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	ND
	9/13/2001	<5	<5	<5	<5	NA	NA	<5	<5	NA	<10	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	0
	11/26/2002	<5	<5	<5	<5	NA	NA	<5	<5	NA	<10	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	0
	10/21/2003	<5	<5	<5	<5	NA	NA	<5	<5	NA	<10	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
	8/24/2004	<5	<5	<5	<5	NA	NA	<5	<5	NA	**21.6**	<5	<5	<.5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
DRP-70	9/14/2001	<5	<5	<5	<5	NA	<10	<5	<5	<10	**11.5**	<5	<5	<5	<10	<5	<5	NA	<5	<5	<10	NA	<5	<5	<5	<5	NA	<10	<5	0
DRP-11	11/2/2000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<5	<5	<5	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	ND
	9/13/2001	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/2002	<5	<5	<5	<5	NA	NA	<5	<5	NA	**89.6**	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
	10/21/2003	<5	<5	<5	<5	NA	NA	<5	<5	NA	**29**	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
	8/23/2004	<5	<5	<5	<5	NA	NA	<5	<5	NA	<10	<5	<5	<5	<10	<5	<5	NA	<5	<5	NA	NA	<5	<5	<5	<5	NA	<10	<5	ND
Richland Creek																														
RCP-1	11/2/2000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<5	<5	<5	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	ND
RCP-2	11/2/2000	<5	<5	<5	<5	<5	<5	<5	<5	<5	<100	<5	<5	<5	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<5	<5	<10	<10	<10	ND

ug/l = micrograms per liter
ND = Not Detected
NS = Not Sampled
NA= Not Analyzed
J = Estimated value
NC 2L Standard = North Carolina 2L ground water quality standard
B = Analyte detected in associated method blank as well as sample
Bold type indicates value exceeds NC 2L ground water quality standard

Sample Description	Sample Date	Dissolved Oxygen (mg/l)	Redox Potential (milli-volts)	Chloride (mg/l)	Ferrous Iron (Fe^{+2}) (mg/l)	Nitrate as N (mg/l)	Sulfate (mg/l)	Total Organic Carbon (mg/l)
NC 2L Standard		**-**	**-**	**250**	**-**	**10**	**250**	**-**
General Criteria for Natural Attenuation		**<0.5**	**<50**	**>2x BG***	**>1**	**<1**	**<20**	**>20**
Ground Water								
MW-3B	9/26/2000	7.05	**-74**	--	--	--	--	--
	9/5/2001	2.00	**-67**	--	--	--	--	--
MW-3C	9/26/2000	6.54	**-40**	--	--	--	--	--
	9/5/2001	10.53	**1**	--	--	--	--	--
	9/18/2002	--	**0**	--	--	--	--	--
MW-6	9/26/2000	3.73	273	--	--	--	--	--
	9/6/2001	10.81	84	--	--	--	--	--
	9/19/2002	--	216	--	--	--	--	--
	10/22/2003	--	--	17.2	--	**0.42**	20.0	3.0
MW-9	9/26/2000	11.76	439	--	--	--	--	--
MW-10	9/26/2000	10.85	347	--	--	--	--	--
	9/6/2001	0.68	**9**	--	--	--	--	--
	9/19/2002	--	**26**	--	--	--	--	--
	9/16/2003	3.01	**-16**	--	--	--	--	--
MW-11	9/28/2000	5.98	381	--	--	--	--	--
	9/10/2001	1.98	**-112**	--	--	--	--	--
	9/18/2002	--	**-133**	--	--	--	--	--
MW-12A	9/28/2000	10.09	298	--	--	--	--	--
	10/30/2000	1.65	**-66**	--	--	--	--	--
	9/6/2001	1.60	**-83**	--	--	--	--	--
	9/20/2002	2.58	**-116**	--	--	--	--	--
	9/16/2003	2.94	**-60**	--	--	--	--	--
MW-12B	9/28/2000	3.08	382	270	**2**	--	--	--
	9/6/2001	2.70	**2**	273	**2.2**	**<.05**	**9.2**	**36.8**
	9/20/2002	4.17	**-16**	291	**2.2**	**0.055**	**6.8**	**49.6**
	9/16/2003	1.63	**3**	220	**3**	**<0.10**	**4.3**	**46.2**
	8/18/2004	--	**--**	245	**3.6**	**<0.10**	**3.1**	**56.9**
MW-12D	9/29/2000	--	**-116**	--	--	--	--	--
	9/11/2001	1.28	**-175**	--	0.4	--	--	--
	9/20/2002	**0.34**	**50**	--	--	--	--	--
	10/22/2003	--	--	9.3	--	**<0.10**	**19.7**	1.3
MW-15A	9/5/2001	1.53	**-71**	--	--	--	--	--
	9/18/2002	--	**-10**	--	--	--	--	--
	9/17/2003	1.43	**33**	--	--	--	--	--
OW-DR1	9/27/2000	2.30	**-116**	260	**9.15**	--	--	--
OW-DR2	9/26/2000	6.55	**-97**	220	**6.975**	--	--	--
	9/10/2001	0.67	**-137**	194	**8.7**	**<0.1**	**1.1**	15.7
OW-DR3	9/19/2002	**0.00**	**-177**	229	0	**<0.05**	**13.6**	17.6
OW-DR4	9/23/2002	**0.00**	**-65**	176	**3.6**	**<0.10**	**7.0**	**22.8**
	9/22/2003	**0.00**	**-136**	150	**4.1**	**<0.10**	**10**	17.9
	8/24/2004	16.40	**-44**	153	**3.8**	**<0.10**	**8.9**	**27.4**
PW-4I	9/28/2000	5.38	**-24**	250	**5.2**	--	--	--
	9/12/2001	1.92	**-28**	190	**3.2**	**<0.1**	26	17.4
	9/19/2002	**0.22**	**-63**	190	**3.1**	**<0.05**	21.2	17.1
	10/22/2003	--	--	240	--	**<0.10**	**17.8**	**26.0**
	8/26/2004	5.10	**-54**	212	--	**<.020**	**14.2**	**32.7**
PW-5D	9/26/2000	8.91	**-106**	170	**7.6**	--	--	--
	9/10/2001	1.25	**-194**	139	**5.2**	**<0.1**	**13.3**	11.7
	9/23/2002	**0.00**	**-195**	157	**4.2**	**<0.1**	**19.6**	13.0
	9/19/2003	--	**--**	44.4	**--**	**<0.05**	37.9	3.1
	8/18/2004	1.70	**-95**	150	**4**	**<0.10**	**9.5**	17.8
PW-6D	10/2/2000	9.73	**-124**	6.1	-0.02	--	--	--
	9/12/2001	**0.00**	**-216**	4.4	0.0	**<0.1**	**9.5**	<1
	9/19/2002	**0.00**	**-196**	4.8	0.0	**<0.05**	**9.9**	<1
	10/20/2003	**--**	**--**	5.3	--	**<0.10**	**11**	<1
	8/25/2004	**17.50**	**-399**	5.1	0.0	**<0.10**	**10.2**	<1.0

Sample Description	Sample Date	Dissolved Oxygen (mg/l)	Redox Potential (milli-volts)	Chloride (mg/l)	Ferrous Iron (Fe^{+2}) (mg/l)	Nitrate as N (mg/l)	Sulfate (mg/l)	Total Organic Carbon (mg/l)
NC 2L Standard		**-**	**-**	**250**	**-**	**10**	**250**	**-**
General Criteria for Natural Attenuation		**<0.5**	**<50**	**>2x BG***	**>1**	**<1**	**<20**	**>20**
PW-6I	10/2/2000	2.69	352	26	0.4	--	--	--
	9/12/2001	**0.00**	**10**	25.2	0.0	**<0.1**	**15.5**	1.6
	9/19/2002	**0.00**	**-5**	27.6	0.0	**<0.05**	**14.4**	1.4
	10/20/2003	**--**	**--**	39.1	--	**<0.10**	**19.9**	2.1
	8/25/2004	**2.40**	**21**	33.6	0.2	**<0.10**	**13.7**	5.1
PW-7I	9/28/2000	13.50	**-168**	200	--	--	--	--
	9/12/2001	1.09	**-191**	314	**6.0**	**<0.1**	**13.3**	**65.1**
	9/20/2002	**0.00**	**-107**	317	**4.6**	**<0.05**	**18.7**	**62.9**
	10/22/2003	--	**--**	371	**--**	**<0.10**	**12.8**	**62.4**
	8/25/2004	--	**--**	318	**--**	**<0.10**	**13.9**	**85.8**
PW-8S	9/27/2000	1.86	334	--	--	--	--	--
	9/6/2001	**0.00**	**-85**	--	--	--	--	--
	9/17/2003	**1.35**	**-99**	--	--	--	--	--
PW-9I	9/27/2000	7.20	**-37**	170	0.6	--	--	--
PW-10D	9/26/2000	4.74	204	--	--	--	--	--
	9/11/2001	0.88	**-218**	--	0.0	--	--	--
	9/18/2002	**0.00**	**13**	--	--	--	--	--
PW-10I	9/26/2000	6.85	52	--	--	--	--	--
	9/11/2001	**0.00**	96	--	0.0	--	--	--
	9/18/2002	**0.00**	**-6**	--	--	--	--	--
PW-11I	9/29/2000	2.17	309	--	--	--	--	--
	9/11/2001	9.45	**-82**	43.7	--	**0.3**	47.1	5.4
	9/18/2002	--	**-40**	55.9	0.3	**0.52**	59.0	6.1
	9/23/2003	1.22	**-1**	93.3	**2.2**	**0.29**	98.2	10.9
	8/25/2004	19.99	**16**	68.3	**2.4**	**<0.10**	68.9	6.2
PW-12I	10/2/2000	8.36	426	24	0.1	--	--	--
	9/12/2001	5.21	83	21.8	0.0	7.6	59.5	2.5
	9/19/2002	1.90	293	21.2	0.0	7.5	55.1	1.5
	10/22/2003	--	--	20.8	--	6.6	61.0	2.4
	9/17/2004	9.01	216	24.1		9.9	53.1	3.8
	8/23/2006	5.99	186	--	--	--	--	--
	8/24/2006	8.64	222	--	--	--	--	--
PW-13I	9/29/2000	3.37	**-50**	--	--	--	--	--
	9/12/2001	11.96	**-53**	60.4	0.85	**<0.1**	23.1	8.2
	9/20/2002	--	**-76**	56.5	0.6	**<0.05**	23	7.3
	9/23/2003	--	**-45**	52.2	--	**<0.10**	27.3	7.1
	8/25/2004	12.70	**-299**	49.1	0.9	**<0.10**	22.7	9.2
PW-14D	10/31/2000	5.87	237	11	0.6	--	--	--
	9/10/2001	3.74	**-149**	7	0.4	11.3	37.5	7.1
	9/17/2003	5.07	**-154**	8.5	0	11.5	31.9	11.8
	9/17/2004			8.2		9.6	23.3	16.1
	8/23/2006	4.63	**-305**	--	--	--	--	--
PW-14S	10/30/2000	6.45	252	32	0.2	--	--	--
	9/6/2001	6.01	148	10.2	0.0	**0.37**	**7.1**	<1
	9/16/2003	7.00	161	10.3	0.0	**0.53**	**8.3**	<1
	8/19/2004	8.10	200	9	0.0	**0.4**	**4.5**	1.2
	8/23/2006	6.01	290	--	--	--	--	--
PW-15D	9/6/2001	**0.00**	**-57**	171	0.6	**0.53**	**6.2**	11.7
	9/16/2003	**0.00**	**-21**	85.1	0	**18**	**31.6**	2.5
	8/19/2004	**--**	**--**	105	0	**26.2**	**34.5**	2.5
	8/23/2006	**3.29**	**156**	--	--	--	--	--
PW-15S	10/30/2000	6.22	165	40	0.4	--	--	--
	9/6/2001	6.51	143	44.2	0.0	15.2	**17**	<1
	9/16/2003	9.8	135	17.8	0.0	5.1	**18.3**	<1
	8/19/2004	--	--	59	0.0	22.3	**18.6**	1.9
	8/23/2006	6.98	172	--	--	--	--	--
PW-16D	11/2/2000	2.63	237	100	0.4	--	--	--
	9/6/2001	**0.25**	93	87.1	0.0	2.7	**17.5**	3.6
	9/17/2003	**0.00**	53	97.7	0.0	10.1	**19.6**	3.5
	8/19/2004	**1.60**	**40**	97	0.0	14.2	24	4.3
	8/23/2006	**2.50**	**108**	--	--	--	--	--
PW-16S	10/30/2000	3.66	214	29	0.6	--	--	--
	9/6/2001	7.10	162	25.5	0.0	5.6	29.2	1.4
	9/17/2003	6.88	**27**	28.5	0.0	4.3	27.3	2.9
	8/19/2004	6.40	**64**	26.7	0.0	2.8	22.7	2.3
	8/23/2006	7.86	**167**	--	--	--	--	--
PW-17	11/3/2000	8.64	198	--	0.8	--	--	--
	9/12/2001	2.95	108	93.9	0.1	5.2	49.6	2.2
	9/18/2002	**0.00**	257	19.2	--	6.0	41.5	<1
	9/22/2003	1.07	92	20.3	--	6.2	47.4	1
	8/25/2004	14.44	152	21	0	12.9	48.2	2.6
PW-18	11/2/2000	11.96	100	--	--	--	--	--
	9/10/2001	2.39	**-110**	--	0.0	--	--	--
	9/16/2003	3.80	**-302**	--	--	--	--	--
	8/19/2004	--	**--**	13.8	0.0	**0.71**	**13.4**	13.9
	8/23/2006	1.86	**-410**	--	--	--	--	--
	8/24/2006	7.49	**-318**	--	--	--	--	--
PW-19	11/6/2001	**0.00**	231	--	--	--	--	--
	9/18/2002	4.24	**-217**	--	--	--	--	--
	9/16/2003	1.95	**-162**	--	--	--	--	--
	8/24/2006	7.17	**-8**					

Sample Description	Sample Date	Dissolved Oxygen (mg/l)	Redox Potential (milli-volts)	Chloride (mg/l)	Ferrous Iron (Fe^{+2}) (mg/l)	Nitrate as N (mg/l)	Sulfate (mg/l)	Total Organic Carbon (mg/l)
NC 2L Standard		**-**	**-**	**250**	**-**	**10**	**250**	**-**
General Criteria for Natural Attenuation		**<0.5**	**<50**	**>2x BG***	**>1**	**<1**	**<20**	**>20**
W-1	9/27/2000	6.48	280	--	--	--	--	--
	9/10/2001	6.54	74	--	--	--	--	--
	9/18/2002	--	245	--	--	--	--	--
	9/17/2003	7.86	155	--	--	--	--	--
W-4	9/27/2000	3.82	300	--	--	--	--	--
	9/10/2001	**0.49**	**-76**	--	--	--	--	--
	9/17/2002	**--**	**-92**	--	--	--	--	--
	9/17/2003	3.07	**-37**	--	--	--	--	--
W-4A	9/27/2000	2.88	223	--	--	--	--	--
	9/10/2001	3.37	**-56**	--	--	--	--	--
	9/17/2002	--	**-49**	--	--	--	--	--
	9/17/2003	1.46	**23**	--	--	--	--	--
W-5	9/27/2000	2.44	351	370	**5.4**	--	--	--
	10/30/2000	1.98	**-31**	--	--	--	--	--
	9/10/2001	0.53	**-43**	301	**3.9**	**<0.1**	**4.7**	**69.6**
	9/18/2002	--	**-69**	277	**4.0**	**<0.05**	**2.7**	**94.3**
	9/17/2003	0.85	**-31**	247	3.5	**<0.10**	**6.5**	**60.4**
	8/18/2004	--	--	256	4	**<0.10**	**7.9**	**84.8**
W-6A	9/28/2000	5.77	**-60**	900	**7.4**	--	--	--
W-21	9/28/2000	6.05	310	--	--	--	--	--
	9/10/2001	4.41	100	--	--	--	--	--
	9/17/2002	--	126	--	--	--	--	--
	9/17/2003	1.82	258	--	--	--	--	--
W-110	9/27/2000	2.44	351	380	**5.4**	--	--	--
	10/30/2000	1.98	**-31**	--	--	--	--	--
DRP-2	11/3/2000	3.29	**-69**	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/15/2003	4.49	**-35**	--	--	--	--	--
DRP-4	11/3/2000	7.94	**-28**	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/16/2003	--	--	--	--	--	--	--
DRP-10	11/2/2000	3.46	116	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
DRP-11	11/2/2000	10.55	**-68**	--	--	--	--	--
"Surface Water"								
SW-1	11/2/2000	5.09	**-60**	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/24/2002	Dry	--	--	--	--	--	--
	9/16/2003	3.73	9	--	--	--	--	--
	8/22/2006	Dry	--	--	--	--	--	--
SW-2	11/2/2000	7.22	**-100**	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/24/2002	--	**-91**	--	--	--	--	--
	9/15/2003	6.59	**-86**	--	--	--	--	--
	8/22/2006	5.43	**-83**	--	--	--	--	--
SW-3	11/2/2000	9.79	**34**	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/24/2002	--	169	--	--	--	--	--
	9/16/2003	8.65	118	--	--	--	--	--
	8/22/2006	6.88	138	--	--	--	--	--
SW-4	11/2/2000	3.75	**-24**	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/24/2002	--	--	--	--	--	--	--
	9/15/2003	7.21	36	--	--	--	--	--
	8/22/2006	4.60	160	--	--	--	--	--
SW-5	11/2/2000	5.80	**38**	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/24/2002	--	108	--	--	--	--	--
	9/16/2003	4.68	92	--	--	--	--	--
	8/22/2006	5.72	92	--	--	--	--	--
SW-6	11/2/2000	7.55	94	--	--	--	--	--
	9/14/2001	--	--	--	--	--	--	--
	9/24/2002	--	148	--	--	--	--	--
	9/16/2003	6.89	181	--	--	--	--	--
	8/22/2006	6.05	134	--	--	--	--	--
SWT-40								
East @ 1' ^	9/13/2001	3.49	**-3**	--	--	--	--	--
East @ 3.25' ^	9/13/2001	6.88	**10**	--	--	--	--	--
West @ 0.5' ^	9/13/2001	6.00	**-13**	--	--	--	--	--
SWT-50								
East @ 1' ^	9/13/2001	10.65	**7**	--	--	--	--	--
East @ 3' ^	9/13/2001	9.18	**39**	--	--	--	--	--
West @ 1' ^	9/13/2001	8.80	**36**	--	--	--	--	--
SWT-70								
East	9/13/2001	5.03	63	--	--	--	--	--
West	9/13/2001	11.37	**46**	--	--	--	--	--

Sample Description	Sample Date	Dissolved Oxygen (mg/l)	Redox Potential (milli-volts)	Chloride (mg/l)	Ferrous Iron (Fe^{+2}) (mg/l)	Nitrate as N (mg/l)	Sulfate (mg/l)	Total Organic Carbon (mg/l)
NC 2L Standard		**-**	**-**	**250**	**-**	**10**	**250**	**-**
General Criteria for Natural Attenuation		**<0.5**	**<50**	**>2x BG***	**>1**	**<1**	**<20**	**>20**
SW-7	11/3/2000	3.33	252	--	--	--	--	--
	9/13/2001	4.09	113	--	--	--	--	--
	9/15/2003	7.40	251	--	--	--	--	--
SWT-DRP-2								
East	9/14/2001	5.03	**23**	--	--	--	--	--
West	9/14/2001	4.63	**-48**	--	--	--	--	--
SWT-DRP-4								
East	9/14/2001	10.27	**9**	--	--	--	--	--
West	9/14/2001	4.80	**-37**	--	--	--	--	--
SWT-DRP-10								
East	9/13/2001	12.13	**-29**	--	--	--	--	--
West	9/13/2001	13.00	**-21**	--	--	--	--	--
SW-DRP-2	9/15/2003	7.00	153	--	--	--	--	--
SW-DRP-4	9/15/2003	7.12	259	--	--	--	--	--
SW-DRP-10	9/15/2003	7.14	275	--	--	--	--	--
SW-DRP-11	9/13/2001	5.69	180	--	--	--	--	--
	9/24/2002	8.42	184	--	--	--	--	--
	9/15/2003	8.24	342	--	--	--	--	--

mg/l = milligrams per liter
** Greater than 2 times background value*
Bold type indicates value favorable for natural attenuation
General criteria for natural attenuation per USEPA November, 1997
^ -Height in feet above stream bed

TABLE 4
FIELD PARAMETER DATA - GROUND WATER AND SURFACE WATER
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

Sample Identification	Date	Temperature (degrees Celsius)	pH (Std. Units)	Conductivity (uS/cm)
Ground Water				
MW-3B	9/26/2000	15.7	6.21	2000
	9/5/2001	17.8	6.44	1930
MW-3C	9/26/2000	15.4	6.31	1520
	9/5/2001	17.6	6.49	1570
	9/18/2002	16.9	6.75	1820
	8/17/2004	18.2	6.61	1461
MW-6	9/26/2000	15.3	6.04	559
	9/6/2001	17.5	6.21	472
	9/19/2002	18.1	6.46	538
	8/18/2004	--	--	--
MW-9	9/26/2000	14.9	5.77	1.17
MW-10	9/26/2000	15.4	6.27	2.51
	9/6/2001	16.0	6.33	2480
	8/17/2004	15.97	6.44	2200
	9/19/2002	16.1	6.67	2740
	9/16/2003	16.98	6.69	1940
MW-11	9/28/2000	17.2	6.47	5950
	9/10/2001	17.3	6.70	5860
	9/18/2002	16.5	6.95	5350
	8/17/2004	--	--	--
MW-12A	9/28/2000	17.9	6.23	747
	10/30/2000	17.69	6.36	899
	9/6/2001	18.7	6.54	506
	9/20/2002	18.8	6.38	766
	9/16/2003	21.27	6.62	521
	8/18/2004	22.96	7	425
MW-12B	9/28/2000	16.9	6.19	2620
	9/6/2001	17.7	6.40	2570
	9/20/2002	18.1	6.32	2930
	9/16/2003	18.25	6.72	2500
	8/18/2004	--	--	--
MW-12D	9/29/2000	15.8	6.81	1110
	9/12/2001	16.2	7.79	949
	9/20/2002	19.5	7.58	520
MW-15A	9/5/2001	17.5	6.28	942
	9/18/2002	15.8	6.66	1150
	9/17/2003	15.82	5.92	932
	8/18/2004	--	--	--
OW-DR1	9/27/2000	19	6.33	2120
OW-DR2	9/26/2000	16.0	6.30	1850
	9/10/2001	15.6	6.52	1900
OW-DR3	9/20/2002	16.7	6.31	2520
	8/24/2004	17.64	6.71	643
OW-DR4	9/23/2002	17.9	6.56	1720
	8/24/2004	17.52	6.33	1288
OW-SIS1				
	8/17/2004	16.2	5.84	656.4
PW-4I	9/28/2000	21.8	6.26	2010
	9/11/2001	19.7	6.42	1710
	9/19/2002	20.8	6.45	1890
	8/23/2004	20.41	3.09	1719
PW-5D	9/26/2000	15.8	6.44	1620
	9/10/2001	16.0	6.65	1590
	9/23/2002	16.3	6.76	1610
	8/18/2004	16.49	6.42	1293

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SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

Sample Identification	Date	Temperature (degrees Celsius)	pH (Std. Units)	Conductivity (uS/cm)
PW-6D	10/2/2000	16.5	7.71	320
	9/12/2001	15.4	7.96	472
	9/19/2002	15.9	8.08	356
	8/25/2004	15.69	7.86	276
PW-6I	10/2/2000	15.9	6.17	573
	9/12/2001	14.5	6.23	816
	9/19/2002	15.3	6.27	631
	8/25/2004	15.07	6.32	544
PW-7I	9/28/2000	19.3	6.89	2230
	9/12/2001	16.6	6.57	3190
	9/20/2002	16.2	6.68	3250
	8/20/2004	19.58	6.55	2666
PW-8S	9/27/2000	15.5	6.26	1130
	9/6/2001	19.0	6.45	1040
	9/17/2003	17.38	6.20	2080
	8/17/2004	20.00	6.29	1628
PW-9I	9/27/2000	19.2	7.04	1860
PW-10D	9/26/2000	15.1	8.25	703
	9/11/2001	15.5	6.85	769
	9/18/2002	19.8	9.77	354
	8/17/2004	18	9.29	235
PW-10I	9/26/2000	16.7	6.10	787
	9/11/2001	15.6	6.20	1080
	9/18/2002	16.0	6.43	1210
	8/17/2004	15.9	6.25	1192
PW-11I	9/29/2000	16.3	6.85	649
	9/11/2001	17.2	7.23	722
	9/18/2002	19.1	8.05	618
	8/25/2004	19.1	7.79	294
PW-12I	10/2/2000	23.1	7.12	659
	9/11/2001	15.9	6.53	554
	9/19/2002	17.6	6.69	689
	8/17/2004	17.3	5.81	525
	8/22/2006	16.89	5.46	90
	9/27/2007	16.87	8.03	0.726
PW-13I	9/29/2000	17.5	6.67	1100
	9/12/2001	18.3	6.87	937
	9/20/2002	18.4	7.15	999
	9/23/2003	17.77	6.25	890
	8/25/2004	17.76	7.02	896
PW-14D	10/31/2000	23	12.23	6.91
	9/10/2001	19.3	12.7	6,720
	8/19/2004	19.17	12.17	4941
	8/22/2006	20.51	12.78	613
	9/25/2007	18.7	13.52	5.99
PW-14S	10/30/2000	17.73	6.02	130
	9/6/2001	17.8	6.32	185
	8/19/2004	16.78	5.92	95
	8/22/2006	16.75	5.06	185
	9/25/2007	20.17	7.82	194
PW-15D	10/31/2000	15.5	6.84	1.46
	9/6/2001	16.8	6.73	1.68
	9/16/2003	16.3	7.47	730
	8/19/2004	--	--	--
	8/23/2006	15.95	6.28	1.6
	9/26/2007	17.81	4.35	0.222
PW-15S	10/30/2000	16.7	6.39	467
	9/6/2001	16.3	7.20	648
	8/19/2004	--	--	--
	8/23/2006	17.91	6.51	604
	9/25/2007			
PW-16D	11/2/2000	17.1	7.37	85.7
	9/6/2001	15.7	7.25	96
	8/19/2004	16.5	7.17	845
	8/23/2006	15.81	6.66	125
	9/25/2007			

TABLE 4
FIELD PARAMETER DATA - GROUND WATER AND SURFACE WATER
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

Sample Identification	Date	Temperature (degrees Celsius)	pH (Std. Units)	Conductivity (uS/cm)
PW-16S	10/30/2000	17.38	6.27	347
	9/6/2001	17.6	6.32	499
	8/19/2004	17.2	6.31	291
	8/23/2006	18.58	6.81	416
	9/26/2007			
PW-17	11/3/2000	18.8	6.44	44.4
	9/12/2001	18.3	6.49	364
	9/18/2002	16.8	6.62	424
	8/19/2004	17.32	6.6	447
	9/27/2007	16.33	7.58	0.546
PW-18	11/3/2000	15.6	10.25	44.2
	9/10/2001	17.3	11.21	853
	9/16/2003	16.78	12.86	9040
	8/19/2004	--	--	--
	8/22/2006	18.52	13.11	121
	9/25/2007	18.86	13.83	10.1
PW-19	11/6/2001	15.3	7.21	268
	9/18/2002	18.6	7.52	387
	9/16/2003	11.8	8.90	483
	8/17/2004	16.19	7.75	450
	9/27/2007			
PW-SIS1	8/19/2004	15.66	6.8	536
W-1	9/27/2000	16.2	6.45	330
	9/10/2001	17.5	6.64	296
	9/18/2002	17.1	6.60	307
	9/17/2003	17.64	6.32	448
	8/17/2004	17.1	6.75	390
W-4	9/27/2000	14.9	6.46	267
	9/10/2001	16.0	6.62	263
	9/17/2002	18.4	6.87	342
	9/17/2003	16.52	6.07	290
	8/17/2004	18.4	6.04	248
W-4A	9/27/2000	14.7	6.45	612
	9/10/2001	15.1	6.50	773
	9/14/2002	15.5	6.43	653
	9/17/2003	14.53	6.14	434
	8/17/2004	15.5	6.37	475
W-5	9/27/2000	15.7	6.38	2530
	10/30/2000	15.26	6.33	2580
	9/10/2001	15.9	6.41	2170
	9/18/2002	16.1	6.94	2060
	8/18/2004	--	--	--
W-6A	9/28/2000	17.1	5.94	4950
W-21	9/28/2000	14.3	6.04	343
	9/10/2001	14.8	6.59	310
	9/17/2002	15.5	6.72	342
	9/17/2003	14.86	6.10	360
	8/17/2004	16.8	6.48	292

TABLE 4
FIELD PARAMETER DATA - GROUND WATER AND SURFACE WATER
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

Sample Identification	Date	Temperature (degrees Celsius)	pH (Std. Units)	Conductivity (uS/cm)
Surface Water				
SW-1	11/2/2000	10.42	6.72	175
	9/14/2001	20.1	6.37	153
	9/24/2002	Dry	--	--
	9/16/2003	19.85	6.80	119
	8/23/2004	20.21	7.35	59
SW-2	11/2/2000	16.56	7.15	2070
	9/14/2001	21.2	7.10	1640
	9/24/2002	20.9	5.76	1870
	9/15/2003	21.76	7.18	2160
	8/23/2004	24.81	7.28	98
	8/22/2006	20.83	7.02	226
	9/27/2007	20.31	8.24	2.23
SW-3	11/2/2000	11.02	7.95	359
	9/14/2001	20.1	7.27	199
	9/24/2002	19.3	6.70	3450
	9/16/2003	19.73	7.26	244
	8/25/2004	23.06	8.14	133
	8/22/2006	23.16	7.48	480
SW-3A	8/25/2004	21.88	8.08	126
SW-3B	8/25/2004	21.9	7.73	123
SW-4	11/2/2000	12.75	6.88	964
	9/14/2001	19.9	7.21	771
	9/15/2003	25.01	7.50	473
	8/25/2004	22.93	7.53	452
	8/22/2006	22.18	7.26	112
	9/27/2007	23.75	8.66	0.519
SW-5	11/2/2000	14.72	6.87	415
	9/14/2001	19.7	6.74	295
	9/24/2002	19.7	6.72	295
	9/16/2003		7.00	300
	8/25/2004	21.14	7.54	168
	8/22/2006	22.19	7.46	540
	9/27/2007			
SW-6	11/2/2000	11.40	7.52	215
	9/14/2001	22.40	6.86	133
	9/24/2002	22.35	7.46	168
	9/16/2003	21.50	7.42	117
	8/25/2004	26.36	8.24	82
	8/22/2006	25.70	7.67	168
	9/27/2007	23.09	8.18	0.256
SW-7	11/3/2000	8.95	6.34	319
	9/13/2001	20.30	6.82	220
	9/24/2002	21.8	6.62	263
	9/15/2003	23.77	7.01	156
	8/23/2004	25.52	7.15	85
	9/27/2007			

TABLE 4
FIELD PARAMETER DATA - GROUND WATER AND SURFACE WATER
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL
JAMESTOWN, NORTH CAROLINA

Sample Identification	Date	Temperature (degrees Celsius)	pH (Std. Units)	Conductivity (uS/cm)
SW-DRP-2	11/3/2000	13.46	6.46	1870
East	9/14/2001	20.3	7.00	224
West	9/14/2001	20.5	6.92	239
	9/15/2003	23.08	7.05	150
	8/23/2004	21.96	3.74	386
	9/27/2007	24.37	8.99	0.542
SW-DRP-4	11/3/2000	13.11	6.27	544
East	9/14/2001	18.8	6.10	286
West	9/14/2001	17.7	6.80	237
	9/15/2003	23.40	7.08	182
	9/27/2007	24.06	8.91	0.52
SW-DRP-10	11/2/2000	12.58	6.90	306
East	9/13/2001	21.9	7.55	214
West	9/13/2001	21.4	7.21	215
	9/15/2003	23.48	7.07	154
	9/27/2007			
SW-DRP-11	11/2/2000	16.49	6.40	559
	9/13/2001	20.4	6.42	343
	9/24/2002	23.6	6.33	527
	9/15/2003	25.4	6.81	357
	8/23/2004	15.7	7.86	276
	9/27/2007			
SWT-40				
East @ 1' ^	9/13/2001	21.9	6.97	219
East @ 3.25' ^	9/13/2001	22.0	7.01	219
West @ 0.5' ^	9/13/2001	21.8	6.99	217
SWT-50				
East @ 1' ^	9/13/2001	21.0	7.53	217
East @ 3' ^	9/13/2001	22.1	7.04	216
West @ 1' ^	9/13/2001	21.6	7.01	216
SWT-70				
East	9/13/2001	22.0	7.14	216
West	9/13/2001	20.8	7.18	216
RCP-1	11/2/2000	15.25	6.56	277
RCP-2	11/2/2000	15.41	6.56	248

^ *-Height in feet above stream bed*

TABLE 5
SURFACE WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample Description	Sample Date	1,1,1-Trichloroethane (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	1,2-Dichloroethane (ug/l)	1,4-Dioxane (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Chlorobenzene (ug/l)	Chloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Methylene Chloride (ug/l)	Tetrachloroethene (ug/l)	Toluene (ug/l)	trans-1,2-Dichloroethe (ug/l)	Trichloroethene (ug/l)	Vinyl Chloride (ug/l)	Xylenes (Total) (ug/l)	2-Butanone (ug/l)
NC 2B Std. (WS-IV)		**200**	**42**	**0.057**	**0.38**	**3**	**350**	**1.19**	**488**	**860**	**33**	**4.7**	**0.8**	**11**	**700**	**3.08**	**2**	**88.5**	**2,090**
Northern Intermittent Stream																			
SW-1	4/30/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/2000	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/14/2001	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/02	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/16/2003	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/23/2004	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	8/29/2006	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/27/2007	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-2	4/30/1997	ND	ND	ND	ND	ND	ND	**3J**	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	7/15/1998	ND	ND	ND	ND	ND	ND	**6**	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/2000	<5	<5	<5	<5	**420**	NA	<5	10	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/14/2001	<5	<5	<5	<5	**353**	<10	<5	7.6	<10	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	**258**	<10	<5	7.7	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	**293**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2003	<5	<5	<5	<5	**305**	<10	<5	9.6	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/16/2004	<5	<5	<5	<5	**233**	<10	<5	8.7	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	<5	<5	<5	<5	**64**	14.7	<5	6.2	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	<1	<1	<1	**218**	<5	<1	9.1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
Split (8270)	8/29/2006	NA	NA	NA	NA	**390**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/27/2007	<1	<1	<1	<1	**176**	<5	<1	9.4	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
Southern Intermittent Stream																			
SW-3	4/30/1997	66	73	**33**	**6**	ND	ND	**3J**	ND	5J	ND	**110**	**4J**	4J	ND	2J	**19**	ND	ND
	7/15/1998	ND	5	ND	ND	NA	ND	ND	ND	ND	4J	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/2000	24	38	**14**	<5	**600 B**	NA	<5	<5	<10	45	**10**	<5	<5	<5	<5	<10	<10	ND
	9/14/2001	<5	<5	<5	<5	**281**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	14.6	**5.1**	<5	**69.7**	<10	<5	<5	<10	17.0	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	**151**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/2003	13	**42.4**	**16.8**	<5	**202**	<10	<5	<5	<10	**50.4**	**7.2**	<5	<5	<5	<5	<10	<5	<10
	8/23/2004	<5	13.3	<5	<5	**546**	<10	<5	8.7	16.4	6.9	<5	<5	<5	<5	<5	<10	<5	<10
	8/25/2004	<5	**31.7**	**9**	<5	**115**	<10	<5	<5	<10	**33.6**	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	39.1	**96.3**	**50**	<5	**26.3**	<10	<5	<5	<10	**182**	**111**	<5	<5	<5	<5	**20.7**	<5	<10
	8/29/2006	11.8	**59.3**	**24**	**3.5**	**327**	<5	<1	<1	3.2	**88.6**	**5.2**	**1.1**	<1	<1	1.7	**7.4**	<2	ND
	9/27/2007	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SW-4	4/30/1997	4J/5J	30/34	**3J/3J**	**3J/4J**	ND/ND	12J/23J	1J/1J	62/69	15J/16J	ND/ND	**10/11**	ND/ND	ND/ND	ND/ND	ND/ND	**8J/9J**	ND/ND	ND/ND
	7/20/1998	ND	16	ND	**4J**	NA	ND	ND	77	36	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/2000	<5	<5	<5	<5	**1100 B**	NA	<5	48	34	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/14/2001	<5	<5	<5	<5	**806**	<10	<5	16.5	<10	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	**480**	<10	<5	19.3	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	**448**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2003	<5	7.7	<5	<5	**118**	11	<5	12.2	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/25/2004	<5	<5	<5	<5	**592**	<10	<5	38.0	18.2	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	6.4	24.9	**7.3**	<5	**172**	17.3	<5	22.4	<10	**36.5**	**5.8**	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	1.2	<1	<1	**1040**	<5	<1	9.5	8.1	<1	<1	<1	<1	<1	<1	<1	<2	ND
Split (8270)	8/29/2006	NA	NA	NA	NA	**1200**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/27/2007	<1	<1	<1	<1	**24.1**	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
SW-5	4/30/1997	ND	ND	ND	ND	ND	8J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/2000	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/14/2001	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/2003	<5	<5	<5	<5	**12.4**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/25/2004	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	<1	<1	<1	<2	51.7	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	9/27/2007	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND

TABLE 5
SURFACE WATER ANALYTICAL RESULTS - VOCs
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample Description	Sample Date	1,1,1-Trichloroethane (ug/l)	1,1-Dichloroethane (ug/l)	1,1-Dichloroethene (ug/l)	1,2-Dichloroethane (ug/l)	1,4-Dioxane (ug/l)	Acetone (ug/l)	Benzene (ug/l)	Chlorobenzene (ug/l)	Chloroethane (ug/l)	cis-1,2-Dichloroethene (ug/l)	Methylene Chloride (ug/l)	Tetrachloroethene (ug/l)	Toluene (ug/l)	trans-1,2-Dichloroethe (ug/l)	Trichloroethene (ug/l)	Vinyl Chloride (ug/l)	Xylenes (Total) (ug/l)	2-Butanone (ug/l)
NC 2B Std. (WS-IV)		**200**	**42**	**0.057**	**0.38**	**3**	**350**	**1.19**	**488**	**860**	**33**	**4.7**	**0.8**	**11**	**700**	**3.08**	**2**	**88.5**	**2,090**
Deep River																			
SW-6	5/1/1997	ND	ND	ND	ND	ND	6J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/2/2000	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/14/2001	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	**11.5**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/2003	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/25/2004	<5	<5	<5	<5	**133**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	<5	<5	<5	<5	**11.4**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
Split (8270)	8/29/2006	NA	NA	NA	NA	<3.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/27/2007	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
SW-7	5/2/1997	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11/3/2000	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/13/2001	<5	<5	<5	<5	**40.5**	<10	<5	<5	23	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2003	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/23/2004	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	<5	<5	<5	<5	<10	10.7	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	<1	<1	<1	**4.3**	<5	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	9-27-200	<1	<1	<1	<1	**23.2**	5.0	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
SW-DRP-2	11/3/2000	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
EAST	9/14/2001	<5	6.3	<5	<5	**15.3**	<10	<5	5.8	<10	5.7	<5	<5	<5	<5	<5	<10	<5	ND
WEST	9/14/2001	<5	29.5	<5	<5	**42.8**	<10	<5	61.5	30.5	26.4	<5	<5	<5	<5	<5	**21.7**	<5	ND
	9/24/2002	6.6	**47.0**	**11.8**	<5	**39.2**	<10	<5	62.3	20.5	60.3	<5	<5	<5	<5	<5	**28.1**	<5	<10
	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2003	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/23/2004	<5	<5	**7.1**	<5	**145**	<10	**5.4**	189	48.6	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	14.2	**80.3**	**33.8**	<5	**82.1**	<10	<5	66.4	17.7	**140**	<5	<5	<5	<5	<5	**36.1**	<5	<10
	8/29/2006	<1	2	<1	<1	<2	<5	<1	<1	<1	3.1	<1	<1	<1	<1	<1	<1	<2	ND
Split (8270)	8/29/2006	NA	NA	NA	NA	<3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/27/2007	<1	<1	<1	<1	**23.3**	<5	<1	2	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
SW-DRP-4	11/2/2000	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
EAST	9/14/2001	<5	9.1	<5	<5	**44**	<10	<5	101	51.5	8	<5	<5	<5	<5	<5	<10	<5	ND
WEST	9/14/2001	<5	8.5	<5	<5	**30.2**	<10	<5	69.4	33.3	7.4	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2003	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/24/2004	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	<1	<1	<1	<2	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	9/27/2007	<1	<1	<1	<1	**24.9**	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
SW-DRP-10	11/2/2000	<5	7.5	<5	<5	<100	NA	<5	14	17	5.7	<5	<5	<5	<5	<5	<10	<10	ND
EAST	9/13/2001	<5	6	<5	<5	**43.8**	<10	<5	14.4	27.7	<5	<5	<5	<5	<5	<5	<10	<5	ND
WEST	9/13/2001	<5	6.3	<5	<5	**43.5**	<10	<5	19.2	30.9	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	**12.6**	<10	<5	7.2	7.5	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2003	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/23/2004	<5	<5	<5	<5	**12**	<10	<5	9.1	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	<5	<5	<5	<5	<10	<10	<5	<10	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	<1	<1	<1	**4.1**	<5	<1	2.9	1.1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	9/27/2007	<1	<1	<1	<1	**22.4**	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
SW-DRP-11	11/2/2000	<5	<5	<5	<5	<100	NA	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<10	ND
	9/13/2001	<5	<5	<5	<5	**10.2**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	ND
	9/24/2002	<5	<5	<5	<5	**109**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
50 FT UPSTREAM	11/26/2002	NA	NA	NA	NA	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/15/2003	<5	<5	<5	<5	**53.5**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/23/2004	<5	<5	<5	<5	**20.4**	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	12/20/2005	<5	<5	<5	<5	<10	<10	<5	<5	<10	<5	<5	<5	<5	<5	<5	<10	<5	<10
	8/29/2006	<1	<1	<1	<1	**3.5**	5.2	<1	1.1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND
	9/27/2007	<1	<1	<1	<1	**17.9**	<5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<2	ND

ug/l = micrograms per liter
J = Estimated value
B = Analyte detected in method blank as well as sample
Bold type indicates value exceeds NC 2B surface water quality standard (WS-IV)

ND = Not Detected
NA = Not Analyzed
NC 2B Std. (WS-IV) = North Carolina 2B surface water quality standard for Class WS-IV wate
Values separated by slash (/) indicates split sample results

Appendix A
Annual Ground Water &
Surface Water Monitoring
Program

TABLE A1-GW
2007 Annual Ground Water Monitoring Program
Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, North Carolina

Sampling Location	*Aquifer Zone*	*Total Depth (Ft BGL)*	*EPA 8260 VOCs + 1,4-Dioxane*
Monitor Wells (10):			
PW-12I	SBR	105	X
PW-14D	SBR	198.8	X
PW-14S	SAP	21.5	X
PW-15D	SBR	163.5	X
PW-15S	SAP	21.5	X
PW-16D	SBR	179	X
PW-16S	SAP	12.5	X
PW-17	SBR	128	X
PW-18	SBR	225	X
PW-19	SBR	260	X
		Total	10

SAP = Saprolite zone SBR = Shallow Bedrock zone PWR = Partially Weathered Rock zone

TABLE A1-GW
2007 Annual Ground Water Monitoring Program
Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, North Carolina

Water Level Gauging				
Monitor Wells (89):	MW-1	OW-DR3	W-1	PW-SIS1
	MW-2A	OW-DR4	W-2	OW-SIS1
	MW-2B	PW-DR1	W-4	W-3
	MW-2C	PW-1D	W-4A	W-3A
	MW-3A	PW-2D	W-4B	W-3B
	MW-3B	PW-3D	W-5	W-12
	MW-3C	PW-4I	W-6	W-12A
	MW-4	PW-5D	W-6A	W-14
	MW-5	PW-6I	W-6B	W-15
	MW-6	PW-6D	W-13	W-16
	MW-7A	PW-7I	W-21	W-17
	MW-7B	PW-8S	W-23A	W-18
	MW-8	PW-9I	W-23B	W-19
	MW-9	PW-10I	W-24	W-20
	MW-10	PW-10D	W-25	OW-SF1
	MW-11	PW-11I	W-26	OW-SF2
	MW-12A	PW-12I	W-27	PW-SF1
	MW-12B	PW-13I	W-28	
	MW-12D	PW-14S	W-29	
	MW-14	PW-14D	W-30	
	MW-16	PW-15S		
	MRF-1	PW-15D		
	MRF-2	PW-16S		
	OW-DR1	PW-16D		
	OW-DR2	PW-17		
		PW-18		
		PW-19		
Surface Water (2):	SW-3			
	SW-DRP-2			

TABLE A1-SW
2007 Annual Surface Water Monitoring Program
Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, North Carolina

Sampling Location	*Monitoring Rationale*	*EPA 8260 VOCs + 1,4-Dioxane*	*Water Levels*
Surface Water			
SW-1	Upstream NIS	X	
SW-2	Downstream NIS at Deep River	X	
SW-3	Middle segment of SIS near Seaboard	X	X
SW-4	Downstream SIS at Deep River	X	
SW-5	Upstream SIS	X	
SW-6	Upstream Deep River	X	
SW-7	Downstream Deep River at I-85 bridge	X	
SW-DRP-2	Deep River at plume discharge zone (east-west river segment)	X	X
SW-DRP-4	Deep River at plume discharge zone (east-west river segment)	X	
SW-DRP-10	Deep River at former DRP-10 piezometer - downstream of east-west segment	X	
SW-DRP-11	Deep River above confluence of Richland Creek (downstream of I-85)	X	
		11	

Notes:

NIS = Northern Intermittent Stream

SIS = Southern Intermittent Stream

Discharge measurements for Deep River will be taken at DRP-2 by stream cross-section/timed float method, if feasible.

QA/QC samples to include 1 trip blank per day and 1 duplicate.

Sampling to be conducted during low flow period, if feasible.

Appendix B
Laboratory Data Sheets

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

November 13, 2007

TOM WILSON
ERM
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226

Report ID : AE2686

Login Number	:L07100101
Project Number	:61830.00
Description	:SEABOARD

Dear Tom Wilson:

We are pleased to provide the enclosed analytical results for the samples received by Davis & Floyd, Inc. on September 28, 2007.

A formal Quality Assurance/Quality Control program is maintained by Davis & Floyd, which is designed to meet or exceed the EPA, NELAC or other appropriate regulatory requirements. All analytical analyses for this project met QA/QC criteria and the results are within the 99% confidence interval for each method unless otherwise stated in the footnotes. This report is to be reproduced only in full.

Feel free to contact our Client Services Representative at (864) 229-4413 if further explanation of the analysis is required. Unless other arrangements have been made, samples will be disposed of or returned 14 days from the date of the report. We appreciate the opportunity to provide services to your firm.

Sincerely,
DAVIS & FLOYD, INC.

John H. McCord, Jr.
Laboratory Manager

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : ERM
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis Report

Sample ID	Client ID	Date Collected	Date Received
L07100101-01	PW-12I	09/27/2007 0900	09/28/2007
L07100101-02	PW-14D	09/26/2007 1010	09/28/2007
L07100101-03	PW-14S	09/25/2007 1515	09/28/2007
L07100101-04	PW-15D	09/26/2007 0950	09/28/2007
L07100101-05	PW-15S	09/25/2007 1325	09/28/2007
L07100101-06	PW-16D	09/25/2007 1100	09/28/2007
L07100101-07	PW-16S	09/26/2007 1045	09/28/2007
L07100101-08	PW-17	09/27/2007 0830	09/28/2007
L07100101-09	PW-18	09/26/2007 0915	09/28/2007
L07100101-10	PW-19	09/27/2007 0900	09/28/2007
L07100101-11	SW-2	09/27/2007 1115	09/28/2007
L07100101-12	SW-4	09/27/2007 1210	09/28/2007
L07100101-13	SW-5	09/27/2007 1215	09/28/2007
L07100101-14	SW-6	09/27/2007 1045	09/28/2007
L07100101-15	SW-7	09/27/2007 1115	09/28/2007
L07100101-16	SW-DRP-2	09/27/2007 1145	09/28/2007
L07100101-17	SW-DRP-4	09/27/2007 1200	09/28/2007
L07100101-18	SW-DRP-10	09/27/2007 1145	09/28/2007
L07100101-19	SW-DRP-11	09/27/2007 1030	09/28/2007
L07100101-20	TRIP BLANK		09/28/2007

This data report has been prepared and reviewed in accordance with standard operating procedures. Please direct any questions to your Project Manager.

Reviewed by

John H. McCord, Jr.
Laboratory Manager

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-12I**

Matrix : GW/ChemW

Sample ID : L07100101-01
Date Collected: 09/27/2007 0900
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1002
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0852
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0852
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0852
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0852
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0852
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	0852

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-14D**

Matrix : GW/ChemW

Sample ID : L07100101-02
Date Collected: 09/26/2007 1010
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1025
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0911
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0911
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0911
ACETONE		**12.6**		5.0	ug/l	PAP	10/02/2007	0911
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0911
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	0911

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-14S**

Matrix : GW/ChemW

Sample ID : L07100101-03
Date Collected: 09/25/2007 1515
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	0940
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0929
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0929
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0929
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0929
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0929
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	0929

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-15D**

Matrix : GW/ChemW

Sample ID : L07100101-04
Date Collected: 09/26/2007 0950
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
1,1-DICHLOROETHANE		**1.8**		1.0	ug/l	PAP	10/02/2007	1520
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/03/2007	0915
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1520
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1520
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1520
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1520
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1520
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1520

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-15S**

Matrix : GW/ChemW

Sample ID : L07100101-05
Date Collected: 09/25/2007 1325
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1048
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1006
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1006
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1006
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1006
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
CIS-1,2-DICHLOROETHENE		**1.5**		1.0	ug/l	PAP	10/02/2007	1006
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1006
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1006

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-16D**

Matrix : GW/ChemW

Sample ID : L07100101-06
Date Collected: 09/25/2007 1100
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
1,1,2,2-TETRACHLOROETHANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
1,1,2-TRICHLOROETHANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
1,1-DICHLOROETHANE		**844**		20.0	ug/l	PAP	10/02/2007	1024
1,1-DICHLOROETHENE		**247**		20.0	ug/l	PAP	10/02/2007	1024
1,2-DICHLOROETHANE		**36.5**		20.0	ug/l	PAP	10/02/2007	1024
1,2-DICHLOROPROPANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
1,4-DIOXANE		**882**		20.0	ug/l	PAP	10/02/2007	1324
2-BUTANONE	<	100	XU	100	ug/l	PAP	10/02/2007	1024
2-HEXANONE	<	100	XU	100	ug/l	PAP	10/02/2007	1024
4-METHYL-2-PENTANONE	<	100	XU	100	ug/l	PAP	10/02/2007	1024
ACETONE	<	100	XU	100	ug/l	PAP	10/02/2007	1024
BENZENE		**36.8**		20.0	ug/l	PAP	10/02/2007	1024
BROMODICHLOROMETHANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
BROMOFORM	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
BROMOMETHANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
CARBON DISULFIDE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
CARBON TETRACHLORIDE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
CHLOROBENZENE		**1700**		20.0	ug/l	PAP	10/02/2007	1024
CHLOROETHANE		**75.5**		20.0	ug/l	PAP	10/02/2007	1024
CHLOROFORM	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
CHLOROMETHANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
CIS-1,2-DICHLOROETHENE		**957**		20.0	ug/l	PAP	10/02/2007	1024
CIS-1,3-DICHLOROPROPENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
DIBROMOCHLOROMETHANE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
ETHYLBENZENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
METHYLENE CHLORIDE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
STYRENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
TETRACHLOROETHENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
TOLUENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
TRANS-1,2-DICHLOROETHENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
TRANS-1,3-DICHLOROPROPENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
TRICHLOROETHENE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
VINYL ACETATE	<	20.0	XU	20.0	ug/l	PAP	10/02/2007	1024
VINYL CHLORIDE		**351**		20.0	ug/l	PAP	10/02/2007	1024
XYLENE (TOTAL)	<	40.0	XU	40.0	ug/l	PAP	10/02/2007	1024

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-16S**

Matrix : GW/ChemW

Sample ID : L07100101-07
Date Collected: 09/26/2007 1045
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1110
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1042
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1042
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1042
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1042
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1042
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1042

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-17**

Matrix : GW/ChemW

Sample ID : L07100101-08
Date Collected: 09/27/2007 0830
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1132
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1100
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1100
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1100
ACETONE		**6.3**		5.0	ug/l	PAP	10/02/2007	1100
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1100
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1100

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-18**

Matrix : GW/ChemW

Sample ID : L07100101-09
Date Collected: 09/26/2007 0915
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1409
2-BUTANONE		**5.3**		5.0	ug/l	PAP	10/02/2007	1119
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1119
4-METHYL-2-PENTANONE		**65.8**		5.0	ug/l	PAP	10/02/2007	1119
ACETONE		**108**		10.0	ug/l	PAP	10/02/2007	1538
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
ETHYLBENZENE		**1.3**		1.0	ug/l	PAP	10/02/2007	1119
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1119
XYLENE (TOTAL)		**12.0**		2.0	ug/l	PAP	10/02/2007	1119

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **PW-19**

Matrix : GW/ChemW

Sample ID : L07100101-10
Date Collected: 09/27/2007 0900
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1302
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1138
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1138
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1138
ACETONE		**5.0**		5.0	ug/l	PAP	10/02/2007	1138
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1138
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1138

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-2**

Matrix : GW/ChemW

Sample ID : L07100101-11
Date Collected: 09/27/2007 1115
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
1,4-DIOXANE		**176**		2.0	ug/l	PAP	10/02/2007	1625
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1156
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1156
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1156
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1156
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
CHLOROBENZENE		**9.4**		1.0	ug/l	PAP	10/02/2007	1156
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1156
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1156

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-4**

Matrix : GW/ChemW

Sample ID : L07100101-12
Date Collected: 09/27/2007 1210
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
1,4-DIOXANE		**24.1**		2.0	ug/l	PAP	10/03/2007	0937
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1252
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1252
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1252
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1252
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1252
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1252

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-5**

Matrix : GW/ChemW

Sample ID : L07100101-13
Date Collected: 09/27/2007 1215
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1539
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1311
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1311
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1311
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1311
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1311
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1311

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-6**

Matrix : GW/ChemW

Sample ID : L07100101-14
Date Collected: 09/27/2007 1045
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
1,4-DIOXANE	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1602
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1329
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1329
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1329
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1329
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1329
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1329

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-7**

Matrix : GW/ChemW

Sample ID : L07100101-15
Date Collected: 09/27/2007 1115
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
1,4-DIOXANE		**23.2**		2.0	ug/l	PAP	10/02/2007	1710
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1347
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1347
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1347
ACETONE		**5.0**		5.0	ug/l	PAP	10/02/2007	1347
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1347
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1347

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-DRP-2**

Matrix : GW/ChemW

Sample ID : L07100101-16
Date Collected: 09/27/2007 1145
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
1,4-DIOXANE		**23.3**		2.0	ug/l	PAP	10/03/2007	0852
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1406
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1406
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1406
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1406
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1406
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1406

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-DRP-4**

Matrix : GW/ChemW

Sample ID : L07100101-17
Date Collected: 09/27/2007 1200
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
1,4-DIOXANE		**24.9**		2.0	ug/l	PAP	10/03/2007	1000
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1425
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1425
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1425
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1425
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1425
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1425

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-DRP-10**

Matrix : GW/ChemW

Sample ID : L07100101-18
Date Collected: 09/27/2007 1145
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
1,4-DIOXANE		**22.4**		2.0	ug/l	PAP	10/03/2007	1023
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1443
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1443
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1443
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1443
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1443
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1443

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **SW-DRP-11**

Matrix : GW/ChemW

Sample ID : L07100101-19
Date Collected: 09/27/2007 1030
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
1,4-DIOXANE		**17.9**		2.0	ug/l	PAP	10/03/2007	1045
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1501
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1501
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1501
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	1501
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	1501
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	1501

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

Certificate of Analysis

Client ID: **TRIP BLANK**
Matrix : GW/ChemW

Sample ID : L07100101-20
Date Collected:
Date Received : 09/28/2007

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0834
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0834
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0834
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0834
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0834
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	0834

QC Summary Data

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Batch Sample List

WorkGroup : **WG48883**
Description: **VO/8260/TCL**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Sample ID	Client ID	Run#	PREP Date Time	ANALYTICAL Date Time	Analyst	Dilution
L07100101-01	PW-12I	1		10/02/2007 0852	PAP	1
L07100101-02	PW-14D	1		10/02/2007 0911	PAP	1
L07100101-03	PW-14S	1		10/02/2007 0929	PAP	1
L07100101-04	PW-15D	1		10/02/2007 1520	PAP	1
L07100101-05	PW-15S	1		10/02/2007 1006	PAP	1
L07100101-06	PW-16D	1		10/02/2007 1024	PAP	20
L07100101-07	PW-16S	1		10/02/2007 1042	PAP	1
L07100101-08	PW-17	1		10/02/2007 1100	PAP	1
L07100101-09	PW-18	1		10/02/2007 1119	PAP	1
L07100101-09	PW-18	2		10/02/2007 1538	PAP	2
L07100101-10	PW-19	1		10/02/2007 1138	PAP	1
L07100101-11	SW-2	1		10/02/2007 1156	PAP	1
L07100101-12	SW-4	1		10/02/2007 1252	PAP	1
L07100101-13	SW-5	1		10/02/2007 1311	PAP	1
L07100101-14	SW-6	1		10/02/2007 1329	PAP	1
L07100101-15	SW-7	1		10/02/2007 1347	PAP	1
L07100101-16	SW-DRP-2	1		10/02/2007 1406	PAP	1
L07100101-17	SW-DRP-4	1		10/02/2007 1425	PAP	1
L07100101-18	SW-DRP-10	1		10/02/2007 1443	PAP	1
L07100101-19	SW-DRP-11	1		10/02/2007 1501	PAP	1
L07100101-20	TRIP BLANK	1		10/02/2007 0834	PAP	1
MB48883:1	Method Blank	1		10/02/2007 0737	PAP	1
LCS48883:1	Laboratory Control Spike	1		10/02/2007 1556	PAP	1
MS07100101-01:48883	Matrix Spike	1		10/02/2007 1214	PAP	1
MSD07100101-01:48883	Matrix Spike Duplicate	1		10/02/2007 1233	PAP	1

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Surrogates % Recovery

WorkGroup: **WG48883**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

SampleNumber	MeasureDate	DCE 77-122	BFB 84-108	TOL 82-109
L07100101-01	10/02/2007 0852	96	101	103
L07100101-02	10/02/2007 0911	98	103	103
L07100101-03	10/02/2007 0929	94	101	102
L07100101-04	10/02/2007 1520	96	103	103
L07100101-05	10/02/2007 1006	92	100	102
L07100101-06	10/02/2007 1024	95	103	104
L07100101-07	10/02/2007 1042	94	102	102
L07100101-08	10/02/2007 1100	95	102	103
L07100101-09	10/02/2007 1119	97	103	103
L07100101-09	10/02/2007 1538	100	103	102
L07100101-10	10/02/2007 1138	99	102	103
L07100101-11	10/02/2007 1156	96	102	103
L07100101-12	10/02/2007 1252	100	101	102
L07100101-13	10/02/2007 1311	100	101	103
L07100101-14	10/02/2007 1329	97	102	102
L07100101-15	10/02/2007 1347	98	102	101
L07100101-16	10/02/2007 1406	100	102	101
L07100101-17	10/02/2007 1425	101	100	103
L07100101-18	10/02/2007 1443	99	103	103
L07100101-19	10/02/2007 1501	97	102	102
L07100101-20	10/02/2007 0834	94	101	102
MB48883:1	10/02/2007 0737	90	100	103
LCS48883:1	10/02/2007 1556	111	103	101
MS07100101-01:48883	10/02/2007 1214	105	104	103
MSD07100101-01:48883	10/02/2007 1233	106	105	103

DCE - 1,2-DICHLOROETHANE-D4
BFB - BROMOFLUOROBENZENE
TOL - TOLUENE-D8

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Method Blanks

WorkGroup: **WG48883**
Blank : **MB48883:1**

Matrix: GW/ChemW

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,1,1-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
1,1,2,2-TETRACHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
1,1,2-TRICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
1,1-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
1,1-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
1,2-DICHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
1,2-DICHLOROPROPANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
2-BUTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0737
2-HEXANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0737
4-METHYL-2-PENTANONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0737
ACETONE	<	5.0	U	5.0	ug/l	PAP	10/02/2007	0737
BENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
BROMODICHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
BROMOFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
BROMOMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CARBON DISULFIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CARBON TETRACHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CHLOROBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CHLOROETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CHLOROFORM	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CIS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
CIS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
DIBROMOCHLOROMETHANE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
ETHYLBENZENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
METHYLENE CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
STYRENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
TETRACHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
TOLUENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
TRANS-1,2-DICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
TRANS-1,3-DICHLOROPROPENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
TRICHLOROETHENE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
VINYL ACETATE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
VINYL CHLORIDE	<	1.0	U	1.0	ug/l	PAP	10/02/2007	0737
XYLENE (TOTAL)	<	2.0	U	2.0	ug/l	PAP	10/02/2007	0737

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Matrix Spikes and Duplicates

WorkGroup: **WG48883**
MS/MSD : **MS07100101-01:48883**
MSD07100101-01:48883

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Parameter	Spike Added	Sample Conc	MS Conc	Units	MS %REC	Limits %REC
1,1,1-TRICHLOROETHANE	50.00	< 1.00	49.50	ug/l	99	82-126
1,1,2-TRICHLOROETHANE	50.00	< 1.00	49.98	ug/l	100	88-123
1,1-DICHLOROETHENE	50.00	< 1.00	49.21	ug/l	98	79-126
1,2-DICHLOROETHANE	50.00	< 1.00	49.57	ug/l	99	84-131
1,2-DICHLOROPROPANE	50.00	< 1.00	46.98	ug/l	94	82-122
2-BUTANONE	50.00	< 5.00	42.83	ug/l	86	74-151
BENZENE	50.00	< 1.00	46.18	ug/l	92	89-118
CARBON TETRACHLORIDE	50.00	< 1.00	52.77	ug/l	106	76-129
CHLOROBENZENE	50.00	< 1.00	49.14	ug/l	98	86-115
CHLOROFORM	50.00	< 1.00	47.24	ug/l	94	84-129
DIBROMOCHLOROMETHANE	50.00	< 1.00	52.24	ug/l	104	78-119
TETRACHLOROETHENE	50.00	< 1.00	54.61	ug/l	109	81-120
TOLUENE	50.00	< 1.00	48.88	ug/l	98	85-114
TRICHLOROETHENE	50.00	< 1.00	52.95	ug/l	106	81-122
VINYL CHLORIDE	50.00	< 1.00	52.10	ug/l	104	77-130
XYLENE (TOTAL)	50.00	< 2.00	49.99	ug/l	100	84-115

Parameter	Spike Added	MSD Conc	Units	MSD %REC	%RPD	Limits %RPD	%REC
1,1,1-TRICHLOROETHANE	50.00	53.75	ug/l	108	8	10	82-126
1,1,2-TRICHLOROETHANE	50.00	54.35	ug/l	109	8	10	88-123
1,1-DICHLOROETHENE	50.00	52.15	ug/l	104	6	10	79-126
1,2-DICHLOROETHANE	50.00	54.45	ug/l	109	9	10	84-131
1,2-DICHLOROPROPANE	50.00	51.09	ug/l	102	8	10	82-122
2-BUTANONE	50.00	46.19	ug/l	92	8	20	74-151
BENZENE	50.00	50.00	ug/l	100	8	10	89-118
CARBON TETRACHLORIDE	50.00	57.46	ug/l	115	9	10	76-129
CHLOROBENZENE	50.00	52.76	ug/l	106	7	10	86-115
CHLOROFORM	50.00	50.89	ug/l	102	7	10	84-129
DIBROMOCHLOROMETHANE	50.00	56.67	ug/l	113	8	10	78-119
TETRACHLOROETHENE	50.00	57.61	ug/l	115	5	10	81-120
TOLUENE	50.00	53.25	ug/l	107	9	10	85-114
TRICHLOROETHENE	50.00	57.01	ug/l	114	7	10	81-122
VINYL CHLORIDE	50.00	55.09	ug/l	110	6	10	77-130
XYLENE (TOTAL)	50.00	54.12	ug/l	108	8	10	84-115

NOTE: MS/MSD % recoveries are not evaluated if the sample concentration is greater than four times the spike added.

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Laboratory Control Standards and Duplicates

WorkGroup: **WG48883**
LCS : **LCS48883:1**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Parameter	Spike Added	LCS Conc	Units	LCS %REC	Limits %REC
1,1,1-TRICHLOROETHANE	50.00	53.35	ug/l	107	82-126
1,1,2-TRICHLOROETHANE	50.00	49.37	ug/l	99	88-123
1,1-DICHLOROETHENE	50.00	52.02	ug/l	104	79-126
1,2-DICHLOROETHANE	50.00	53.66	ug/l	107	83-130
1,2-DICHLOROPROPANE	50.00	48.07	ug/l	96	83-121
2-BUTANONE	50.00	43.76	ug/l	88	74-148
BENZENE	50.00	47.38	ug/l	95	89-118
CARBON TETRACHLORIDE	50.00	57.11	ug/l	114	76-129
CHLOROBENZENE	50.00	49.42	ug/l	99	87-115
CHLOROFORM	50.00	50.09	ug/l	100	84-129
DIBROMOCHLOROMETHANE	50.00	52.38	ug/l	105	79-119
TETRACHLOROETHENE	50.00	54.52	ug/l	109	82-118
TOLUENE	50.00	49.61	ug/l	99	85-114
TRICHLOROETHENE	50.00	54.46	ug/l	109	85-117
VINYL CHLORIDE	50.00	55.76	ug/l	112	78-131
XYLENE (TOTAL)	50.00	50.81	ug/l	102	84-115

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Batch Sample List

WorkGroup : **WG48884**
Description: **VO/DIOXANE**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Sample ID	Client ID	Run#	PREP Date Time	ANALYTICAL Date Time	Analyst	Dilution
L07100101-01	PW-12I	2		10/02/2007 1002	PAP	1
L07100101-02	PW-14D	2		10/02/2007 1025	PAP	1
L07100101-03	PW-14S	2		10/02/2007 0940	PAP	1
L07100101-05	PW-15S	2		10/02/2007 1048	PAP	1
L07100101-06	PW-16D	2		10/02/2007 1324	PAP	10
L07100101-07	PW-16S	2		10/02/2007 1110	PAP	1
L07100101-08	PW-17	2		10/02/2007 1132	PAP	1
L07100101-09	PW-18	3		10/02/2007 1409	PAP	1
L07100101-10	PW-19	2		10/02/2007 1302	PAP	1
L07100101-11	SW-2	2		10/02/2007 1625	PAP	1
L07100101-13	SW-5	2		10/02/2007 1539	PAP	1
L07100101-14	SW-6	2		10/02/2007 1602	PAP	1
L07100101-15	SW-7	2		10/02/2007 1710	PAP	1
MB48884:1	Method Blank	1		10/02/2007 0832	PAP	1
LCS48884:1	Laboratory Control Spike	1		10/02/2007 1733	PAP	1
MS07100101-03:48884	Matrix Spike	1		10/02/2007 1155	PAP	1
MSD07100101-03:48884	Matrix Spike Duplicate	1		10/02/2007 1217	PAP	1

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Surrogates % Recovery

WorkGroup: **WG48884**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

SampleNumber	MeasureDate	DCE 70-136
L07100101-01	10/02/2007 1002	112
L07100101-02	10/02/2007 1025	116
L07100101-03	10/02/2007 0940	113
L07100101-05	10/02/2007 1048	112
L07100101-06	10/02/2007 1324	115
L07100101-07	10/02/2007 1110	114
L07100101-08	10/02/2007 1132	114
L07100101-09	10/02/2007 1409	111
L07100101-10	10/02/2007 1302	120
L07100101-11	10/02/2007 1625	120
L07100101-13	10/02/2007 1539	119
L07100101-14	10/02/2007 1602	115
L07100101-15	10/02/2007 1710	117
MB48884:1	10/02/2007 0832	98
LCS48884:1	10/02/2007 1733	115
MS07100101-03:48884	10/02/2007 1155	119
MSD07100101-03:48884	10/02/2007 1217	125

DCE - 1,2-DICHLOROETHANE-D4

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Method Blanks

WorkGroup: **WG48884**
Blank : **MB48884:1**

Matrix: GW/ChemW

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,4-DIOXANE	<	10.0	U	10.0	ug/l	PAP	10/02/2007	0832

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Matrix Spikes and Duplicates

WorkGroup: **WG48884**
MS/MSD : **MS07100101-03:48884**
MSD07100101-03:48884

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Parameter	Spike Added	Sample Conc	MS Conc	Units	MS %REC	Limits %REC
1,4-DIOXANE	100.0	< 2.00	91.93	ug/l	92	46-144

Parameter	Spike Added	MSD Conc	Units	MSD %REC	%RPD	Limits %RPD	%REC
1,4-DIOXANE	100.0	94.73	ug/l	95	3	29	46-144

NOTE: MS/MSD % recoveries are not evaluated if the sample concentration is greater than four times the spike added.

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Laboratory Control Standards and Duplicates

WorkGroup: **WG48884**
LCS : **LCS48884:1**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Parameter	Spike Added	LCS Conc	Units	LCS %REC	Limits %REC
1,4-DIOXANE	100.0	87.26	ug/l	87	43-155

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LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Batch Sample List

WorkGroup : **WG48895**
Description: **VO/DIOXANE**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Sample ID	Client ID	Run#	PREP Date Time	ANALYTICAL Date Time	Analyst	Dilution
L07100101-04	PW-15D	2		10/03/2007 0915	PAP	1
L07100101-12	SW-4	2		10/03/2007 0937	PAP	1
L07100101-16	SW-DRP-2	2		10/03/2007 0852	PAP	1
L07100101-17	SW-DRP-4	2		10/03/2007 1000	PAP	1
L07100101-18	SW-DRP-10	2		10/03/2007 1023	PAP	1
L07100101-19	SW-DRP-11	2		10/03/2007 1045	PAP	1
MB48895:1	Method Blank	1		10/03/2007 0827	PAP	1
LCS48895:1	Laboratory Control Spike	1		10/03/2007 1152	PAP	1
MS07100101-16:48895	Matrix Spike	1		10/03/2007 1107	PAP	1
MSD07100101-16:48895	Matrix Spike Duplicate	1		10/03/2007 1130	PAP	1

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Surrogates % Recovery

WorkGroup: **WG48895**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

SampleNumber	MeasureDate	DCE 70-136
L07100101-04	10/03/2007 0915	109
L07100101-12	10/03/2007 0937	117
L07100101-16	10/03/2007 0852	111
L07100101-17	10/03/2007 1000	110
L07100101-18	10/03/2007 1023	110
L07100101-19	10/03/2007 1045	114
MB48895:1	10/03/2007 0827	111
LCS48895:1	10/03/2007 1152	111
MS07100101-16:48895	10/03/2007 1107	115
MSD07100101-16:48895	10/03/2007 1130	112

DCE - 1,2-DICHLOROETHANE-D4

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Method Blanks

WorkGroup: **WG48895**
Blank : **MB48895:1**

Matrix: GW/ChemW

Parameter		Result	Qual	RDL	Units	Analyst	Date	Time
Volatile Organics								
SW846 8260B								
1,4-DIOXANE	<	10.0	U	10.0	ug/l	PAP	10/03/2007	0827

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
Page 37 of 38 Report ID: AE2686

QC Batch Report - Matrix Spikes and Duplicates

WorkGroup: **WG48895**
MS/MSD : **MS07100101-16:48895**
MSD07100101-16:48895

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Parameter	Spike Added	Sample Conc	MS Conc	Units	MS %REC	Limits %REC
1,4-DIOXANE	100.0	23.32	107.4	ug/l	84	46-144

Parameter	Spike Added	MSD Conc	Units	MSD %REC	%RPD	Limits %RPD	%REC
1,4-DIOXANE	100.0	110.3	ug/l	87	3	29	46-144

NOTE: MS/MSD % recoveries are not evaluated if the sample concentration is greater than four times the spike added.

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

NC Certification Number: 25

Client : **ERM**
8000 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226
Contact : Tom Wilson

Project Number: 61830.00

Report Date : November 13, 2007
 Report ID: AE2686

QC Batch Report - Laboratory Control Standards and Duplicates

WorkGroup: **WG48895**
LCS : **LCS48895:1**

Matrix : GW/ChemW
Prep Method :
Analtyical Method: SW846 8260B

Parameter	Spike Added	LCS Conc	Units	LCS %REC	Limits %REC
1,4-DIOXANE	100.0	77.01	ug/l	77	43-155

DAVIS & FLOYD

Chain of Custody Record

Laboratory Certification Numbers: SC - 24110, NC - 25, NELAP - E87633, TN - 2923, VA - 77
816 E. Durst Avenue, Greenwood, SC 29649 (864) 229-4413 Fax: (864) 229-7119
Email: Laboratory@davisfloyd.com Internet: www.davisfloyd.com

Office Use Only
Laboratory Work Request

Client: ERM
Project / Site Location: Seaboard
Contact: Tom Wilson
Report To:
Copy To:
Reporting Requirements: [ ] Standard [ ] Data Package (Specify Level: 1 2 3 4)
Turnaround Requirements: [ ] Standard [ ] Rush (Specify: _____)
PO / Quote Number:
TC: 0
Collected By: Thomas Helrick
Atmospheric Conditions (Optional):
Special Instructions:
State:
LOGIN: L07100101

NOTICE:

Required Parameters, Containers and Preservatives (P*)

CONTAINERS / PARAMETERS: 8260; 1,4-Dioxane

ENTER NUMBER OF SAMPLE CONTAINERS

Sample Description	Sample Collection Date	Sample Collection Time	Time sampling initiated (composite only)	Composite	Grab	Matrix Type	Number of Containers	P*	8260	1,4-Dioxane	Indicate any known or expected hazards with a "X". HOT	Comments	Fraction
PW-12I	9-27-07	900			X	S	5		X	X			01
PW-14D	9-26	1010			↓	↓	↓		X	X			02
PW-14S	9-25	1515							X	X			03
PW-15D	9-26	950							X	X			04
PW-15S	9-25	1325							X	X			05
PW-16D	9-25	1100							X	X			06
PW-16S	9-26	1045							X	X			07
PW-17	9-27	830							X	X			08
PW-18	9-26	915							X	X			09
PW-19	9-27	906							X	X			10
Trip Blank									X				20

Relinquished By	Date	Time	Relinquished By	Date	Time	Relinquished By	Date	Time
TB Leo	9-27	1600						
Received By	**Date**	**Time**	**Received By**	**Date**	**Time**	**Received in Laboratory By**	**Date**	**Time**
						Christie	09-28-07	1144

Shipped Via: UPS FEDEX CLIENT COURIER OTHER D & F
Tracking Number:

Comments:

Flow Measurement (Note 1)
Beginning _____
Ending _____
Start Date: _____
Multiplier

Note: Indicate immediate delivery for those shipments in which the temperature does not have adequate time to reach 4°C.

Receipt Information
Cooler ID (if available): —
On Ice: Yes / No Temp(C) 4
Immediate Delivery: Yes / No
Custody Seal: Intact / Broken / None

Matrix Type Definitions: 1 - Drinking Water 2 - Clean Water 5 - Groundwater 7 - Soil/Sediment 8 - Liquid Sludge 9 - Oil 12 - Air
(P) Preservative Definitions: A - None B - H2SO4 C - HCl D - HNO3 E - NaOH F - Filtered G - Other

(Note 1) For Discharge Measurements

DAVIS & FLOYD

Chain of Custody Record

Laboratory Certification Numbers: SC - 24110, NC - 25, NELAP - E87633, TN - 2923, VA - 77
816 E. Durst Avenue, Greenwood, SC 29649 (864) 229-4413 Fax: (864) 229-7119
Email: Laboratory@davisfloyd.com Internet: www.davisfloyd.com

Office Use Only
Laboratory Work Request

Client: ERM
Project / Site Location: Seaboard
Contact: Tom Wilson
Report To: SAME
Copy To:
Reporting Requirements: [ ] Standard [ ] Data Package (Specify Level: 1 2 3 4)
Turnaround Requirements: [ ] Standard [ ] Rush (Specify: _____)
PO / Quote Number:
TC: 0
Collected By: Thomas Hedrick
Atmospheric Conditions (Optional):
Special Instructions:
State:
LOGIN: L071001

NOTICE:

Required Parameters, Containers and Preservatives (P*): CONTAINERS / PARAMETERS: 8260; 1-4, Dioxane

Indicate any known or expected hazards with a "X".

Sample Description	Sample Collection Date	Sample Collection Time	Time sampling initiated (composite only)	Composite	Grab	Matrix Type	Number of Containers (Total)	P*	8260	1-4, Dioxane	HOT	Comments	Fraction
SW-2	9-27-07	1115			G		5		X	X			11
SW-4		1210							X	X			12
SW-5		1215							X	X			13
SW-6		1045							X	X			14
SW-7		1115							X	X			15
SW-DRP-2		1145							X	X			16
SW-DRP-4		1200							X	X			17
SW-DRP-10		1145							X	X			18
SW-DRP-11		1030							X	X			19

ENTER NUMBER OF SAMPLE CONTAINERS

Relinquished By	Date	Time	Relinquished By	Date	Time	Relinquished By	Date	Time	Shipped Via
[signature]	9-27	1600							D & F; UPS FEDEX CLIENT COURIER OTHER
Received By	**Date**	**Time**	**Received By**	**Date**	**Time**	**Received in Laboratory By**	**Date**	**Time**	**Tracking Number**
						[signature]	09-28-07	1144	

Comments:

Flow Measurement (Note 1)
Beginning _____
Ending _____
Start Date: _____
Multiplier

Note: Indicate immediate delivery for those shipments in which the temperature does not have adequate time to reach 4°C.

Receipt Information
Cooler ID (if available): —
On Ice: Yes / No Temp(C) 4
Immediate Delivery: Yes / No
Custody Seal: Intact / Broken / None

Matrix Type Definitions: 1 - Drinking Water 2 - Clean Water 5 - Groundwater 7 - Soil/Sediment 8 - Liquid Sludge 9 - Oil 12 - Air
(P) Preservative Definitions: A - None B - H2SO4 C - HCl D - HNO3 E - NaOH F - Filtered G - Other
(Note 1) For Discharge Measurements

DAVIS & FLOYD

LABORATORY ANALYSIS REPORT

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RDL	Report Detection Limit	**MDL**	Method Detection Limit
TIC	Tentatively Identified Compounds	**MSL**	Mean Sea Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
BTU	British Thermal Units	**NTU**	Nephelometric Turbidity Units
C	Degrees Centigrade	**F**	Degrees Fahrenheit
umhos/cm	micromhos/cm	**meq**	milliequivalents
kg	kilogram(s)	**g**	gram(s)
mg	milligram(s)	**ug**	microgram(s)
l	liter(s)	**ml**	milliliters(s)
ul	microliter(s)	**m3**	cubic meter(s)
lb	pound(s)	**ft3**	cubic foot(feet)
ft	foot(feet)	**su**	Standard Units

mg/l, mg/kg Units of concentration in milligrams per liter for liquids and milligrams per kilogram for solids. Also referred to as Parts Per Million or "ppm" when the assumption is made that the specific gravity or density is one (1 g/ml).

ug/l, ug/kg Units of concentration in micrograms per liter for liquids and micrograms per kilograms for solids. Also referred to as Parts Per Billion or "ppb" when the assumption is made that the specific gravity or density is one (1 g/ml).

wt% Units of concentration expressed on a weight/weight basis (e.g. grams per 100 grams).

< Less Than – The number following the sign is the limit of quantitation, the smallest amount of analyte that can be reliably determined using this test.

> Greater Than

Data Qualifiers:

- **A** TIC is a possible aldol-condensation product resulting from sample extraction, (Organics)
- **B** Analyte also detected in the method blank.
- **C** Amendable Cyanide is a negative value due to an unknown interference.
- **E** Estimated concentration due to interference.
- **J** Estimated value below RDL or estimated value for TIC. (Organics)
- **P** Concentration difference between primary and confirmation columns >25%. (Organics) The lower result is reported.
- **U** Final concentration is below the detection limit.
- **X** Matrix interference which requires dilution or prevents the reporting of a result. Detection limits have been adjusted where applicable.
- ***** Defined in report comments.

Solid samples (i.e. soil, sludge, and solid waste) are reported on a dry weight basis unless otherwise noted.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or biological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of the material involved, the test results will be meaningless. If you have any questions regarding the proper techniques of collecting samples, please contact us. However, we cannot be held responsible for sample integrity unless sampling has been performed by a member of our staff.

REPRESENTATION AND LIMITATION OF LIABILITY – The accuracy of all analytical results for samples begins as it is received by the laboratory. Integrity of the sample begins at the time it is placed in the possession of authorized Davis & Floyd, Inc. Laboratories personnel. All other warranties, expressed or implied, are disclaimed. Liability is limited to the cost of the analysis.

Davis & Floyd, Inc.
AD07_03 (12/06)