Environmental Compliance and Remediation

Babb & Associates, P.A.

March 17, 2014

Mr. Larry Stanley, Hydrogeologist
Ms. Jackie Drummond, Hydrogeologist
NC Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699

Re: 2013 Annual Groundwater Monitoring Report
Former Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, North Carolina

Dear Larry and Jackie:

Please find attached the 2013 Annual Groundwater and Surface Water Monitoring Report for the former Seaboard Chemical/Riverdale Drive Landfill Site in Jamestown, North Carolina.

If there are any questions regarding this report, please contact the undersigned at (919) 325-0696.

Respectfully,

Babb & Associates, P.A.

Gary D. Babb

Gary D. Babb, P.G.
President

Enclosure

Cc: Mr. James C. LaRue
Mr. Richard McMillan
Mr. Steve Pendry
Mr. Randy Smith

P.O. Box 37697
Raleigh, NC 27627
(919) 325-0696

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No ) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

# Environmental Monitoring Reporting Form

**Notice:** This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

## Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

## Solid Waste Monitoring Data Submittal Information

**Name of entity submitting data (laboratory, consultant, facility owner):**

Babb & Associates, P.A.

**Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:**

Name: Gary D. Babb Phone: (919) 325-0696

E-mail: gdbabb@gmail.com

| Facility name: | Facility Address: | Facility Permit # | NC Landfill Rule: (.0500 or .1600) | Actual sampling dates (e.g., October 20-24, 2006) |
|---|---|---|---|---|
| Closed Riverdale Drive Landfill | SR 1145<br>High Point, NC | 41-01 | .0500 | December 9-17, 2013 |

**Environmental Status: (Check all that apply)**

☐ Initial/Background Monitoring ☐ Detection Monitoring ☐ Assessment Monitoring ☒ Corrective Action

**Type of data submitted: (Check all that apply)**

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify) _____

**Notification attached?**

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

## Certification

**To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.**

Gary D. Babb — Licensed Geologist — (919) 325-0696

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Gary D. Babb — March 17, 2014 — Affix NC Licensed/ Professional Geologist Seal

Signature — Date

Babb & Associates, P.A., PO Box 37697, Raleigh, NC 27627

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

NORTH CAROLINA LICENSED SEAL 488 GEOLOGIST GARY D. BABB

Revised 6/2009

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Babb & Associates, P.A.

March 17, 2014

Mr. Larry Stanley, Hydrogeologist
Ms. Jackie Drummond, Hydrogeologist
NC Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699

Re: 2013 Annual Groundwater Monitoring Report
Former Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, North Carolina

Dear Larry and Jackie:

Babb & Associates, P.A. has completed the 2013 annual groundwater and surface water monitoring event at the former Seaboard Chemical/Riverdale Drive Landfill site (the Site). During the period of December 9-17, 2013, a total of 24 groundwater monitoring wells and 8 surface water samples were collected for laboratory analysis. All water samples were analyzed for volatile organic compounds by EPA Method 8260. The samples were also analyzed for the compound 1,4-dioxane by EPA Method 5031/8015 in order to obtain a laboratory detection limit of < 2.0 ug/l. Field parameters for the water samples included pH, temperature, specific conductivity, and dissolved oxygen. The sample collection activities were conducted in general accordance with the approved scope of work outlined in the *Annual Monitoring Plan – 2010*, dated March 17, 2010.

Prior to the collection of the water samples, groundwater elevations were obtained from the groundwater monitoring wells to be monitored at the Site. A summary of the water level information obtained during this monitoring event is provided in Table 1. A potentiometric map with the general direction of groundwater flow across the Site is provided as Figure 2.

*Site History*

The general Site location is shown on Figure 1. The Site consists of two properties as shown on Figure 2. The former Seaboard Chemical facility property (Seaboard) is located at 5899 Riverdale

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Drive, Jamestown, NC and consists of approximately 13 acres. Between 1974 and 1989, Seaboard operated solvent recovery and fuel blending processes at the facility. The corporation declared bankruptcy in 1989 and was not able to fund the cost of performing the necessary site closure and remediation. Removal activities were conducted during 1990 and 1992 to remove all remaining waste materials and certain tanks and equipment from the Seaboard facility. The removal was conducted by the Seaboard Group I, formed by parties that may have used the services of Seaboard in the past. The adjacent Riverdale Drive Landfill (Landfill), a closed municipal solid waste landfill, consists of approximately 150 acres and bounds the Seaboard facility on two sides. The Landfill was operated from the 1950's until October 1993. The Landfill was permitted by the North Carolina DENR Solid Waste Section in 1979. During Landfill operations, sections of the two tributary streams that cross the landfill property were piped and solid waste was used to fill the drainage valleys. The two streams are referred to as the Southern Intermittent Stream and the Northern Intermittent Stream. During filling of the Southern Intermittent Stream valley, a leachate collection system was installed adjacent to the stream channel to collect leachate migrating from the overlying solid waste. In 1989, a leachate collection system was added to control surface seeps (leachate leakage) along the slopes of the landfill. The leachate is presently collected in concrete storage tanks and subsequently pumped into tank trucks and treated off-site. From approximately 1966 to 1970, Landfill operations included the disposal and open burning of spent solvents in shallow pits. Periodically, these burn pits were cleaned of residue that was accumulated in a mound. Presently this mound consists of approximately 600 cubic yards of contaminated residue capped by a synthetic liner and is referred to as the "soil residue mound". The Landfill is now capped and maintained under a post-closure plan.

Seaboard Group II was formed to perform a remedial investigation and to prepare a baseline risk assessment and feasibility study for the Site. The Group entered into an agreement with the City of High Point to perform a remedial investigation since the close proximity of the Landfill and Seaboard facilities made a joint investigation of the two sites advantageous for both the City and the Group. The Parties then entered into an Administrative Order on Consent (AOC) dated January 30, 1996 with DENR to perform the remedial investigation. The feasibility study was conducted under another AOC dated July 22, 1997.

Remedial investigations conducted at the Site have documented the presence of chlorinated and non-chlorinated volatile organic compounds (VOCs) in soils, landfill leachate, groundwater, and surface water. The remedial investigation results indicate that the VOC-affected groundwater is migrating to Randleman Lake, which bounds the Site along the northern and eastern property boundary of the

Landfill. The Randleman Lake was created by the impoundment of the Deep River in 2006 by Randleman Lake Dam, which is located approximately 10.5 miles downstream of the Site.

The *Remedial Recommendation Document* (February 2005) presented a remedial strategy for the impacted media at the Site based on the results of the remedial investigation, baseline risk assessment, and feasibility study. The proposed remedial design consists of groundwater extraction and treatment in combination with institutional controls including site access control, recorded land use restrictions, and restriction of water supply well construction. The proposed remedy is designed to prevent movement of contaminants into the Southern Intermittent Stream and adjacent Randleman Lake and prevent exposure to impacted soils and groundwater at the Site. Groundwater and surface water sampling will evaluate the effectiveness of the remedy to ensure that there is no unacceptable migration of contaminants to Randleman Lake. The *Remedial Recommendation Document* was conditionally approved by the DENR in September 2005.

The Seaboard Group II and the City of High Point entered into a Remedial Action Settlement Agreement (RASA) with DENR on December 29, 2008. The RASA provides for the design and implementation of the approved remedial action program for the Site. The scope of work of the RASA includes the completion and reporting of groundwater and surface water monitoring activities.

*2013 Annual Monitoring Activities*

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

- Monitor VOC concentrations and migration of the VOC-affected groundwater;
- Monitor groundwater elevations, hydraulic gradients and flow directions;
- Monitor surface water quality in Randleman Lake, the Northern Intermittent Stream and the Southern Intermittent Stream to assess impacts from VOC-affected groundwater discharge.

The 2013 annual groundwater and surface water monitoring activities were conducted at the Site during the period of December 9-17, 2013. Groundwater level gauging was conducted at the monitoring wells to be sampled (Figure 2) to evaluate groundwater flow patterns at the Site. The water level measurements were collected manually using electronic water level meters. Groundwater sampling for VOC analysis was conducted at 24 monitoring wells. Field parameters, including pH,

specific conductivity, temperature, and dissolved oxygen were also measured for each groundwater and surface water sample using calibrated meters.

Surface water sampling was also conducted at a total of 8 surface water stations which include: 4 stations along Randleman Lake adjacent to the Site (SW-6, SW-7, SW-DRP-2, and SW-DRP-11); 3 stations on the Southern Intermittent Stream (SW-3, SW-4, and SW-5); and 2 stations on the Northern Intermittent Stream (SW-1 and SW-2). The surface water samples collected from the 4 stations along the Randleman Lake were collected at two discrete intervals; a surface sample collected 1' below the surface, and a deep sample collected 1' off of the bottom of the Randleman Lake. The Randleman Lake water samples were collected using a stainless steel Kemmerer water bottle sampler. The actual depth of the Randleman Lake surface water samples are provided in Table 4.

The groundwater and surface water samples were analyzed by Meritech, Inc. for volatile organic compounds (VOCs) by EPA Method 8260 and 1,4-dioxane by EPA Method 5031/8015. Laboratory data sheets are provided in Appendix A.

Please note that two of the groundwater monitoring wells originally scheduled for sample collection (PW-6I/6D) have been damaged and a sample could not be collected during this monitoring event. Based on verbal agreement with DENR representatives, monitoring well OW-DR3 was selected to replace the damaged wells during this monitoring event. Repair and/or replacement alternatives are being evaluated for the two damaged monitoring wells.

*Groundwater Results*

*Groundwater Elevations*

A groundwater potentiometric map is provided as Figure 2. This potentiometric map primarily represents groundwater flow in the bedrock aquifer. Groundwater elevation data for the Northern Intermittent Stream area is limited because the entire stream valley is piped and filled by solid waste, which prevents the installation of monitoring wells and the collection of water level data. The groundwater elevation data for the Site are summarized in Table 1.

In the shallow bedrock aquifer, the general groundwater flow direction from the former Seaboard property is northeastward toward the Randleman Lake. The horizontal hydraulic gradient in the shallow bedrock aquifer as measured between monitoring wells MW-3C and OW-DR2 in December 2013 was 0.0013 feet/feet upward. In the area across (north and east of) Randleman Lake, groundwater elevation data for PW-18 and other monitoring wells indicate that the hydraulic gradient is southward to southwestward toward Randleman Lake.

Groundwater elevation data for the Northern Intermittent Stream area is limited as the entire stream valley is piped and filled with solid waste. However, the general groundwater flow pattern is presumed to be towards the former Northern Intermittent Stream channel on the north and south sides of the buried stream valley and then eastward towards Randleman Lake.

The filling of Randleman Lake began in 2006 and the lake level reached normal pool elevation (682 feet msl) in 2008. Based on the monitoring data through December 2013, groundwater levels at monitoring wells located adjacent to the lake have risen 10 to 12 feet as compared to pre-lake water level conditions. Inland from the lake, groundwater levels at wells located on the western portion of the Site have risen approximately 4 feet due to the lake impoundment.

*Groundwater Quality*

The analytical results for selected groundwater contaminants collected during the December 2013 monitoring event are shown in a series of figures. Groundwater quality maps are presented for 1,2-dichloroethane (Figure 3), vinyl chloride (Figure 4), chlorobenzene (Figure 5), 1,4-dioxane (Figure 6), and total VOCs (Figure 7) in the bedrock aquifer. The historical groundwater analytical results for specific VOCs, including the 2013 data, are summarized in Table 2. Measurements of pH, temperature, specific conductance, and dissolved oxygen as determined in the field are provided in Table 4.

The main mass of VOC-affected groundwater generally extends northeastward from the former Seaboard/Landfill facility to the Randleman Lake basin. As shown on Figure 7, relatively high concentrations of VOCs originate in the vicinity of the northeast corner of the former Seaboard facility (near the location of three former surface impoundments) and the soil residue mound associated with the former burn pits at the Landfill. Prior to their closure

and capping between 1984 and 1986, the area of the former impoundments served as a primary source area of VOC releases to the groundwater at the former Seaboard facility. Relatively high VOC concentrations in groundwater also originate in the area of the soil residue mound, a source area located on the Landfill property.

VOCs were detected in a limited area across (north and east) Randleman Lake from the Site. Concentrations of VOCs and 1,4-dioxane at levels above the respective North Carolina Groundwater Quality Standards were detected at off-site bedrock monitoring wells PW-14D, PW-15D, and PW-16D, located on the north side of the Lake basin.

At off-site monitoring well PW-18 (Crutchfield property), located on an upland area approximately 600 feet across Randleman Lake from the Site, the compound methyl isobutyl ketone (MIBK) was detected in the December 2013 groundwater sample. The compound MIBK does not have an established North Carolina Groundwater Quality Standard and is commonly used in paints, hydraulic fluids, and antifreeze. The compound 1,4-dioxane was initially detected in the December 2013 groundwater sample collected at PW-18 at a concentration of 5.05 ppb. This well was re-sampled for 1,4-dioxane on February 25,2014, resulting in a reported concentration below the laboratory detection limit of < 2.0 ppb.

Overall, the 2013 groundwater analytical results and the general distribution of VOCs in the Site's groundwater are consistent with the historical groundwater quality monitoring results.

*Surface Water Results*

Surface water sampling was conducted at the Northern Intermittent Stream, the Southern Intermittent Stream, and the Randleman Lake. The surface water analytical results for VOCs are summarized in Table 3 and laboratory report is provided in Appendix A.

*Randleman Lake*

The Randleman Lake sampling stations include SW-6, SW-7, SWDRP-2, and SWDRP-11. The compound 1,4-dioxane was detected at two of the surface water monitoring stations during the 2013 monitoring event. The upgradient surface water sample (SW-6) reported a concentration of 9.28 ug/l of 1,4-dioxane. The furthest downgradient surface water station

(SW-DRP-11 at Richland Creek) also reported a detectable concentration of 1,4-dioxane of 14.4 ug/l. The 2B Surface Water Standard for 1,4-dioxane is 3.1 ug/l. A summary of the surface water analytical results for the Randleman Lake samples is provided in Table 3.

Based on field observations during the 2013 monitoring activities, the Randleman Lake level was at or near surveyed stakes at the Site marking the normal pool elevation of 682 feet msl.

*Southern Intermittent Stream*

Site VOCs were detected at concentrations above the North Carolina 2B Surface Water Quality Standards in all three of the surface water samples collected from the Southern Intermittent Stream in December 2013. At sampling station SW-3, located downstream of the former Seaboard property and upstream of the Landfill, 1,2-dichloroethane, 1,4-dioxane, chloroethane, tetrachloroethene, trichloroethene, and vinyl chloride were detected at levels above the North Carolina 2B Surface Water Quality Standards. The surface water sample collected at SW-4, located downstream of the landfill at a lower segment of the Southern Intermittent Stream channel now submerged by Randleman Lake, reported a concentration of 1,4-dioxane above the North Carolina 2B Surface Water Standards. Historically, the SW-4 sampling station was formerly located just upstream of the confluence of the Southern Intermittent Stream and the Deep River. The surface water sample collected at SW-5, which is located upstream of the former Seaboard facility, reported a concentration of 1,4-dioxane slightly above the North Carolina Surface Water Standards. Several additional VOCs were detected above the laboratory detection limit but below the North Carolina Surface Water Quality Standards in the surface water samples collected from the Southern Intermittent Stream. A summary of all detected VOCs is provided in Table 3.

*Northern Intermittent Stream*

The flow path of the Northern Intermittent Stream was re-routed in 2011 and no longer flows beneath the Landfill. Due to a limited watershed area, surface water monitoring station SW-1 is typically dry except during periods of heavy rainfall. Surface water sample SW-1 was dry during the December 2013 monitoring event and no sample was collected. The former location of surface water station SW-2 has been converted into a collection sump for leachate which accumulates in the piped section beneath the Landfill. Surface water station SW-2 has

been relocated to the outfall of the re-routed Northern Intermittent Stream as shown on Figure 2. Surface water station SW-2 was also dry during the December 2013 monitoring event and no sample was collected.

*Conclusions*

The major findings of the annual groundwater and surface water monitoring activities for December 2013 at the former Seaboard Chemical/Riverdale Drive Landfill Site include the following:

- Based on the 2013 monitoring data, groundwater levels at monitoring wells located adjacent to the Randleman Lake have risen approximately 10 to 12 feet compared to pre-lake water level conditions. Inland from the lake, the 2013 groundwater levels at wells located on the western portion of the Site are approximately 4 feet higher compared to pre-lake water level conditions.

- The overall groundwater flow pattern (Figure 2) at the Site is towards Randleman Lake on both sides of the Lake basin. Groundwater elevation data for the Northern Intermittent Stream area are limited due to monitoring constraints posed by the entire stream valley being piped and filled by solid waste. However, the general groundwater flow pattern is presumed to be towards the former stream channel on the north and south sides of the buried stream valley.

- During the 2013 monitoring event, minor concentrations of 1,4-dioxane were reported in the upgradient surface water station (SW-6 at Kivett Drive) and the furthest downstream surface water station at Richland Creek (SW-DRP-11) located on the Randleman Lake.

- At the Southern Intermittent Stream, 1,4-dioxane and 4 other VOCs were detected at levels above the North Carolina 2B Surface Water Quality Standards in the surface water sample collected at sampling station SW-3, which is located downstream of the former Seaboard facility and upstream of the Landfill. The occurrence of 1,4-dioxane and other VOCs in the surface water is attributed to the elevated concentrations of 1,4-dioxane and VOCs present in the groundwater discharge from the area south of the stream where the Seaboard site is located and from the area north of the stream where the soil residue mound is located. In the surface water sample collected at the SW-4 location, which is

downstream of both the Seaboard site and the Landfill, 1,4-dioxane was detected at a concentration above the North Carolina 2B Surface Water Standard. A minor concentration of 1,4-dioxane was reported in surface water sample SW-5, which is located upstream of the former Seaboard facility. The source of the 1,4-dioxane in surface water sample SW-5 is not known but has been reported during prior monitoring events.

- At the Northern Intermittent Stream, both surface water monitoring stations (SW-1 and SW-2) were dry during the December 2013 monitoring event and no sample was collected.

- Based on the 2013 monitoring results and historical data, the main VOC plume extends from the former Seaboard facility and Landfill soil residue mound through the Southern Intermittent Stream valley to the Randleman Lake. The VOCs detected on the north side of the lake across from the Site in monitoring wells PW-14D, PW-15D, and PW-16D represent the northern extent of the VOC plume. The groundwater quality and elevation data on the north side of the lake adjacent to the Site indicate that the main VOC mass from the Site is migrating to the Randleman Lake basin along a corridor of fracture zones beneath the valley floor which forms the Lake.

- Based on the concentration and type of VOC (MIBK) in the groundwater sample collected from off-site monitoring well PW-18 on the Crutchfield property, and considering the observed hydraulic gradient and groundwater flow direction toward the river, the VOC detected in the groundwater sample from monitoring well PW-18 does not likely originate from the VOC-affected groundwater at the Site. Based on historical groundwater analytical results, the northern extent of Site-related VOCs in the groundwater in the area north of Randleman Lake is determined to be located between PW-16D and PW-18.

Overall, the December 2013 groundwater monitoring results are generally consistent with historical monitoring data. The geometry and migration of VOC-affected groundwater at the Site has not been substantially altered by the filling of Randleman Lake to normal pool. The December 2013 surface water monitoring results indicate that the surface water quality impact due to the migration of VOCs from the Site into Randleman Lake is likely attenuated by mixing and dispersion within the lake.

If there are any questions concerning the information presented in this groundwater and surface water monitoring report for December 2013, please contact the undersigned at (919) 325-0696.

Respectfully,

Babb & Associates, P.A.

Gary D. Babb, P.G.
President

Attachments

Cc: Mr. James LaRue
Mr. Richard McMillan
Mr. Steve Pendry
Mr. Randy Smith

# 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 |
| | | | | | | 2/23/2009 | 25.35 | 766.14 |
| | | | | | | 3/29/2010 | 24.89 | 765.72 |
| | | | | | | 11/1/2011 | 27.69 | 764.00 |
| | | | | | | 11/16/2012 | 27.23 | 764.46 |
| | | | | | | 12/9/2013 | 28.36 | 763.33 |
| 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 |
| | | | | | | 2/23/2009 | 10.67 | 703.23 |
| | | | | | | 3/29/2010 | 6.11 | 707.79 |
| | | | | | | 11/1/2011 | 8.18 | 705.72 |
| | | | | | | 11/16/2012 | 12.90 | 701.00 |
| 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 |
| | | | | | | 2/23/2009 | 10.35 | 702.22 |
| | | | | | | 3/29/2010 | 6.05 | 706.52 |
| | | | | | | 11/1/2011 | 9.16 | 703.41 |
| | | | | | | 1/16/2012 | 12.21 | 700.36 |
| 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 | 696.70 |
| | | | | | | 2/23/2009 | 14.25 | 699.31 |
| | | | | | | 3/29/2010 | 10.97 | 702.59 |
| | | | | | | 11/1/2011 | 14.55 | 699.01 |
| | | | | | | 11/16/2012 | 15.82 | 697.74 |

*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-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 |
| | | | | | | 2/23/2009 | 11.00 | 683.40 |
| | | | | | | 3/29/2010 | 10.92 | 683.48 |
| | | | | | | 11/1/2011 | 12.34 | 682.06 |
| | | | | | | 11/16/2012 | 11.87 | 682.53 |
| 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 |
| | | | | | | 2/23/2009 | 8.48 | 685.11 |
| | | | | | | 3/29/2010 | 8.04 | 685.55 |
| | | | | | | 11/1/2011 | 11.27 | 682.32 |
| | | | | | | 11/16/2012 | 11.00 | 682.59 |
| 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 |
| | | | | | | 2/23/2009 | 10.15 | 683.44 |
| | | | | | | 3/29/2010 | 7.86 | 685.73 |
| | | | | | | 11/1/2011 | 10.33 | 683.89 |
| | | | | | | 11/16/2012 | 10.88 | 683.34 |
| | | | | | | 12/11/2013 | 10.54 | 683.68 |
| 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 |
| New TOC elevation | | | | 683.87 | 687.29 | 2/23/2009 | 8.02 | 679.27 |
| | | | | | | 3/29/2010 | 6.25 | 681.04 |
| | | | | | | 11/1/2011 | 6.48 | 680.81 |
| | | | | | | 11/16/2012 | 7.01 | 680.28 |

*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-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 |
| New TOC elevation; survey data pending | | | | | | 2/23/2009 | 5.82 | NA |
| | | | | | | 3/29/2010 | 4.63 | NA |
| | | | | | | 11/1/2011 | 6.18 | NA |
| | | | | | | 11/16/2012 | 6.61 | NA |
| 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 |
| | | | | | | 9/24/2007 | 67.11 | 694.62 |
| | | | | | | 2/23/2009 | 62.58 | 699.15 |
| | | | | | | 3/29/2010 | 60.55 | 701.18 |
| | | | | | | 11/1/2011 | 64.36 | 697.37 |
| | | | | | | 11/16/2012 | 64.60 | 697.13 |
| | | | | | | 12/11/2013 | 64.88 | 696.85 |
| 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 |
| | | | | | | 2/23/2009 | 28.23 | 713.41 |
| | | | | | | 3/29/2010 | 23.65 | 717.99 |
| | | | | | | 11/1/2011 | 30.61 | 711.03 |
| | | | | | | 11/16/2012 | 30.60 | 711.04 |
| 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 |
| | | | | | | 2/23/2009 | 30.18 | 709.98 |
| | | | | | | 3/29/2010 | 25.67 | 714.49 |
| | | | | | | 11/1/2011 | 27.93 | 712.23 |
| | | | | | | 11/16/2012 | 30.00 | 710.16 |

*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 |
| | | | | | | 2/23/2009 | 26.39 | 713.77 |
| | | | | | | 3/29/2010 | 20.51 | 719.65 |
| | | | | | | 11/1/2011 | 28.85 | 705.31 |
| | | | | | | 11/16/2012 | 30.96 | 703.20 |
| MW-9 | 32 | 12-32 | 676.95-656.95 | 685.95 | 688.95 | 11/14/2000 | 12.36 | |
| | | | | | | 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 |
| | | | | | | 2/23/2009 | 5.37 | 683.58 |
| | | | | | | 3/29/2010 | 4.22 | 684.73 |
| | | | | | | 11/1/2011 | 5.97 | 682.98 |
| | | | | | | 11/16/2012 | 6.26 | 682.69 |
| 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 |
| | | | | | | 2/23/2009 | 11.92 | 683.70 |
| | | | | | | 3/29/2010 | 10.57 | 685.05 |
| | | | | | | 11/1/2011 | 12.96 | 682.66 |
| | | | | | | 11/16/2012 | 13.18 | 682.44 |
| | | | | | | 12/10/2013 | 12.97 | 682.65 |
| 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 |
| | | | | | | 2/23/2009 | 28.91 | 719.51 |
| | | | | | | 3/29/2010 | 26.02 | 722.40 |
| | | | | | | 11/1/2011 | 31.13 | 717.29 |
| | | | | | | 11/16/2012 | 34.87 | 713.55 |

*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-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 |
| | | | | | | 2/23/2009 | 11.11 | 682.85 |
| | | | | | | 3/29/2010 | 9.99 | 683.97 |
| | | | | | | 11/1/2011 | 9.26 | 684.70 |
| | | | | | | 11/16/2012 | 11.13 | 682.83 |
| | | | | | | 12/10/2013 | 9.07 | 684.89 |
| 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 |
| | | | | | | 2/23/2009 | 10.95 | 684.05 |
| | | | | | | 3/29/2010 | NM | NM |
| | | | | | | 11/1/2011 | 10.25 | 684.75 |
| | | | | | | 11/16/2012 | 10.81 | 684.19 |
| | | | | | | 12/10/2013 | 11.55 | 683.45 |
| 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 |
| | | | | | | 2/23/2009 | 9.43 | 685.50 |
| | | | | | | 3/29/2010 | 12.62 | 682.31 |
| | | | | | | 11/1/2011 | 13.88 | 681.05 |
| | | | | | | 11/16/2012 | 43.06 | 651.87 |
| | | | | | | 12/10/2013 | 25.34 | 669.59 |
| 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 |
| | | | | | | 2/23/2009 | 27.27 | 738.95 |
| | | | | | | 3/29/2010 | 25.71 | 740.51 |
| | | | | | | 11/1/2011 | 27.86 | 738.36 |
| | | | | | | 11/16/2012 | 27.61 | 738.61 |

*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-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 |
| | | | | | | 2/23/2009 | 15.21 | 750.13 |
| | | | | | | 3/29/2010 | 22.06 | 743.28 |
| | | | | | | 11/1/2011 | 25.19 | 740.15 |
| | | | | | | 11/16/2012 | 24.75 | 740.59 |
| | | | | | | 12/10/2013 | 24.69 | 740.65 |
| 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 |
| | | | | | | 2/23/2009 | NM | NM |
| | | | | | | 11/16/2012 | NM | NM |
| MW-17 (WSW-1) | 250 | 230-250 | -- | -- | -- | 12/19/2005 | 68.09 | -- |
| | | | | | | 8/21/2006 | NM | NM |
| | | | | | | 2/23/2009 | 66.04 | -- |
| | | | | | | 3/29/2010 | 64.30 | -- |
| | | | | | | 11/1/2011 | 66.88 | -- |
| | | | | | | 11/16/2012 | 67.34 | 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 |
| | | | | | | 2/23/2009 | 7.56 | 744.25 |
| | | | | | | 3/29/2010 | 7.55 | 744.26 |
| | | | | | | 11/1/2011 | 8.01 | 743.80 |
| | | | | | | 11/16/2012 | 7.98 | 743.83 |
| 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 |
| | | | | | | 2/23/2009 | 25.22 | 725.51 |
| | | | | | | 3/29/2010 | 24.73 | 726.00 |
| | | | | | | 11/1/2011 | 25.18 | 725.55 |
| | | | | | | 11/16/2012 | 25.30 | 725.43 |

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*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 |
| | | | | | | 2/23/2009 | 13.77 | 684.18 |
| | | | | | | 3/29/2010 | 11.42 | 686.53 |
| | | | | | | 11/1/2011 | 13.95 | 684.00 |
| | | | | | | 11/16/2012 | 14.64 | 683.31 |
| 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 |
| | | | | | | 2/23/2009 | 10.13 | 684.27 |
| | | | | | | 3/29/2010 | 7.97 | 686.43 |
| | | | | | | 11/1/2011 | 10.32 | 684.08 |
| | | | | | | 11/16/2012 | 10.90 | 683.50 |
| | | | | | | 12/10/2013 | 10.55 | 683.85 |
| 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 | 678.43 |
| | | | | | | 2/23/2009 | 20.17 | 684.58 |
| | | | | | | 3/29/2010 | 18.61 | 686.14 |
| | | | | | | 11/1/2011 | 20.45 | 684.30 |
| | | | | | | 11/16/2012 | 20.75 | 684.00 |
| | | | | | | 12/10/2013 | 20.99 | 683.76 |
| 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 |
| | | | | | | 2/23/2009 | 29.64 | 684.21 |
| | | | | | | 3/29/2010 | 22.30 | 691.55 |
| | | | | | | 11/1/2011 | 29.83 | 684.02 |
| | | | | | | 11/16/2012 | 30.30 | 683.55 |
| OW-DR5 | 40 | 20-40 | -- | -- | -- | 12/19/2005 | 10.50 | -- |
| | | | | | | 2/23/2009 | NM | -- |
| | | | | | | 3/29/2010 | NM | -- |
| | | | | | | 11/1/2011 | NM | -- |
| | | | | | | 11/16/2012 | NM | NM |

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*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-NIS1 | 40 | 25-40 | -- | -- | -- | 12/19/2005 | 10.91 | -- |
| | | | | | | 2/23/2009 | 8.40 | -- |
| | | | | | | 3/29/2010 | 7.59 | -- |
| | | | | | | 11/1/2011 | 6.40 | -- |
| | | | | | | 11/16/2012 | 7.54 | |
| OW-SIS1 | 39 | 20-39 | -- | -- | -- | 12/19/2005 | 24.05 | -- |
| | | | | | | 8/21/2006 | 24.08 | -- |
| | | | | | | 9/24/2007 | 23.89 | -- |
| | | | | | | 2/23/2009 | 20.89 | -- |
| | | | | | | 3/29/2010 | 17.69 | -- |
| | | | | | | 11/1/2011 | 22.98 | -- |
| | | | | | | 11/16/2012 | 22.99 | |
| OW-SIS2 | 40 | 20-40 | -- | -- | -- | 12/19/2005 | 5.32 | -- |
| | | | | | | 2/23/2009 | 4.32 | -- |
| | | | | | | 3/29/2010 | 3.29 | -- |
| | | | | | | 11/1/2011 | 3.74 | -- |
| | | | | | | 11/16/2012 | 7.63 | |
| OW-SIS3 | 45 | 15-45 | -- | -- | -- | 12/19/2005 | 5.80 | -- |
| | | | | | | 2/23/2009 | 5.67 | -- |
| | | | | | | 3/29/2010 | 3.61 | -- |
| | | | | | | 11/1/2011 | 5.22 | -- |
| | | | | | | 11/16/2012 | 7.00 | |
| OW-SF1 | 120 | 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 |
| | | | | | | 2/23/2009 | 23.03 | 708.03 |
| | | | | | | 3/29/2010 | 18.64 | 712.42 |
| | | | | | | 11/1/2011 | 25.39 | 705.67 |
| | | | | | | 11/16/2012 | 25.22 | 705.84 |
| 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 |
| | | | | | | 2/23/2009 | 18.47 | -- |
| | | | | | | 3/29/2010 | 14.27 | 716.78 |
| | | | | | | 11/1/2011 | 20.46 | 710.59 |
| | | | | | | 11/16/2012 | 20.68 | 710.37 |
| OW-LFS1 | 50 | 30-50 | -- | -- | 698.74 | 12/19/2005 | 17.15 | 681.59 |
| | | | | | | 2/23/2009 | 14.45 | 684.29 |
| | | | | | | 3/29/2010 | 13.28 | 685.46 |
| | | | | | | 11/1/2011 | 14.90 | 683.84 |
| | | | | | | 11/16/2012 | 15.88 | 682.86 |
| OW-LFS2 | 50 | 30-50 | -- | -- | 700.08 | 12/19/2005 | 21.97 | 678.11 |
| | | | | | | 2/23/2009 | 15.81 | 684.27 |
| | | | | | | 3/29/2010 | 14.66 | 685.42 |
| | | | | | | 11/1/2011 | 16.34 | 683.74 |
| | | | | | | 11/16/2012 | 16.61 | 683.47 |
| | | | | | | 12/11/2013 | 16.82 | 683.26 |

*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-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 | -- |
| | | | | | | 2/23/2009 | NM | -- |
| | | | | | | 3/29/2010 | NM | -- |
| | | | | | | 11/1/2011 | NM | -- |
| | | | | | | 11/16/2012 | 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 |
| | | | | | | 2/23/2009 | 22.96 | 710.19 |
| | | | | | | 3/29/2010 | 18.62 | 714.53 |
| | | | | | | 11/1/2011 | 25.31 | 707.84 |
| | | | | | | 11/16/2012 | 25.50 | 707.64 |
| | | | | | | 12/9/2013 | 21.00 | 712.15 |
| PW-SIS1 | 39 | 19-39 | -- | -- | 695.21 | 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 |
| | | | | | | 2/23/2009 | 12.73 | 682.48 |
| | | | | | | 3/29/2010 | 11.31 | 683.90 |
| | | | | | | 11/1/2011 | 13.01 | 682.20 |
| | | | | | | 11/16/2012 | 13.63 | 681.58 |
| 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 | -- |
| | | | | | | 2/23/2009 | 49.60 | 734.08 |
| | | | | | | 3/29/2010 | 47.86 | 735.82 |
| | | | | | | 11/1/2011 | 50.18 | 733.50 |
| | | | | | | 11/16/2012 | 50.30 | 733.38 |
| 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 |
| | | | | | | 2/23/2009 | 41.43 | 739.12 |
| | | | | | | 3/29/2010 | 39.30 | 741.25 |
| | | | | | | 11/1/2011 | 42.62 | 737.93 |
| | | | | | | 11/16/2012 | 42.20 | 738.35 |

*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-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 |
| | | | | | | 2/23/2009 | 50.02 | 708.32 |
| | | | | | | 3/29/2010 | 48.12 | 710.22 |
| | | | | | | 11/1/2011 | 50.52 | 707.82 |
| | | | | | | 11/16/2012 | 47.90 | 710.44 |
| | | | | | | 12/17/2013 | 48.81 | 709.53 |
| PW-4I | 122 | 112-122 | 625.67-615.67 | 735.17 | 737.67 | 11/14/2000 | 43.39 | 694.28 |
| | | | | | | 9/4/2001 | 44.73 | 692.94 |
| | | | | | | 9/17/2002 | 45.94 | 691.73 |
| | | | | | | 9/11/2003 | 36.04 | 701.63 |
| | | | | | | 8/16/2004 | 42.31 | 695.36 |
| | | | | | | 12/19/2005 | 43.27 | 694.40 |
| | | | | | | 8/21/2006 | 43.11 | 712.03 |
| | | | | | | 2/23/2009 | 39.35 | 698.32 |
| | | | | | | 3/29/2010 | 35.56 | 719.58 |
| | | | | | | 11/1/2011 | 41.23 | 696.44 |
| | | | | | | 11/16/2012 | 41.49 | 696.18 |
| | | | | | | 12/17/2013 | 42.03 | 695.64 |
| 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 |
| | | | | | | 9/24/2007 | 20.31 | 677.56 |
| | | | | | | 2/23/2009 | 13.85 | 684.02 |
| | | | | | | 3/29/2010 | 10.85 | 687.02 |
| | | | | | | 11/1/2011 | 13.98 | 683.89 |
| | | | | | | 11/16/2012 | 12.92 | 684.95 |
| | | | | | | 12/16/2013 | 10.54 | 687.33 |
| 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 | -- |
| New TOC elevation | | | | 693.57 | 696.15 | 2/23/2009 | 14.75 | 681.40 |
| | | | | | | 3/29/2010 | 11.76 | 684.39 |
| | | | | | | 11/1/2011 | 13.98 | 682.17 |
| | | | | | | 11/16/2012 | 14.26 | 669.93 |
| | | | | | | 12/16/2013 | 14.29 | 681.86 |

*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-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 | -- |
| New TOC elevation | | | | 691.53 | 696.33 | 3/12/2009 | 13.05 | 683.28 |
| | | | | | | 3/29/2010 | 11.84 | 684.49 |
| | | | | | | 11/1/2011 | 13.34 | 682.99 |
| | | | | | | 11/16/2012 | 14.03 | 682.30 |
| | | | | | | 12/16/2013 | NA | NA |
| 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 |
| New TOC elevation; survey data pending | | | | | | 2/23/2009 | 2.34 | NA |
| | | | | | | 3/29/2010 | 1.89 | NA |
| | | | | | | 11/1/2011 | 1.85 | NA |
| | | | | | | 11/16/2012 | 2.99 | NA |
| 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 |
| | | | | | | 2/23/2009 | 41.66 | 721.47 |
| | | | | | | 3/29/2010 | 27.22 | 735.91 |
| | | | | | | 11/1/2011 | 40.58 | 722.55 |
| | | | | | | 11/16/2012 | 40.96 | 722.17 |
| 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 |
| | | | | | | 2/23/2009 | 14.18 | 684.89 |
| | | | | | | 3/29/2010 | 13.50 | 685.57 |
| | | | | | | 11/1/2011 | 14.61 | 684.46 |
| | | | | | | 11/16/2012 | 15.18 | 683.89 |

*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-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 |
| | | | | | | 2/23/2009 | 12.06 | 684.38 |
| | | | | | | 3/29/2010 | 10.62 | 685.82 |
| | | | | | | 11/1/2011 | 12.32 | 684.12 |
| | | | | | | 11/16/2012 | 13.37 | 683.07 |
| | | | | | | 12/11/2013 | 13.10 | 683.34 |
| 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 |
| | | | | | | 2/23/2009 | 14.51 | 683.45 |
| | | | | | | 3/29/2010 | 26.38 | 671.58 |
| | | | | | | 11/1/2011 | 17.01 | 680.95 |
| | | | | | | 11/16/2012 | 43.21 | 654.75 |
| | | | | | | 12/11/2013 | 42.25 | 655.71 |
| 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 |
| | | | | | | 2/23/2009 | 55.90 | 729.55 |
| | | | | | | 3/29/2010 | 52.60 | 732.85 |
| | | | | | | 11/1/2011 | 55.01 | 730.44 |
| | | | | | | 11/16/2012 | 54.90 | 730.55 |
| 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 |
| | | | | | | 2/23/2009 | 28.93 | 721.61 |
| | | | | | | 3/29/2010 | 24.62 | 725.92 |
| | | | | | | 11/1/2011 | 28.18 | 722.36 |
| | | | | | | 11/16/2012 | 27.73 | 722.81 |
| | | | | | | 12/16/2013 | 28.17 | 722.37 |

*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-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 |
| | | | | | | 2/23/2009 | 57.31 | 682.59 |
| | | | | | | 3/29/2010 | 54.65 | 685.25 |
| | | | | | | 11/1/2011 | 57.33 | 682.57 |
| | | | | | | 11/16/2012 | 58.05 | 681.85 |
| | | | | | | 12/16/2013 | 57.20 | 682.70 |
| 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 |
| | | | | | | 3/11/2009 | 37.90 | 651.23 |
| | | | | | | 3/29/2010 | 29.41 | 659.72 |
| | | | | | | 11/1/2011 | 17.63 | 671.50 |
| | | | | | | 11/16/2012 | 32.37 | 656.76 |
| | | | | | | 12/12/2013 | 56.60 | 632.53 |
| 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 |
| | | | | | | 3/11/2009 | 4.34 | 684.25 |
| | | | | | | 3/29/2010 | 2.13 | 686.46 |
| | | | | | | 11/1/2011 | 4.27 | 684.32 |
| | | | | | | 11/16/2012 | 5.30 | 683.29 |
| 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 |
| | | | | | | 3/11/2009 | 3.20 | 684.23 |
| | | | | | | 3/29/2010 | 2.02 | 685.41 |
| | | | | | | 11/1/2011 | 3.25 | 684.18 |
| | | | | | | 11/16/2012 | 4.39 | 683.04 |
| | | | | | | 12/12/2013 | 4.50 | 682.93 |

*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) |
|---|---|---|---|---|---|---|---|---|
| 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 |
| | | | | | | 3/11/2009 | 4.65 | 683.56 |
| | | | | | | 3/29/2010 | 3.09 | 685.12 |
| | | | | | | 11/1/2011 | 4.58 | 683.63 |
| | | | | | | 11/16/2012 | 5.89 | 682.32 |
| 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 |
| New TOC elevation; survey data pending | | | | | | 3/11/2009 | 4.38 | NA |
| | | | | | | 3/29/2010 | 3.23 | NA |
| | | | | | | 11/1/2011 | 4.45 | NA |
| | | | | | | 11/16/2012 | 5.65 | NA |
| | | | | | | 12/12/2013 | 5.22 | NA |
| 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 |
| New TOC elevation; survey data pending | | | | | | 3/11/2009 | 4.93 | NA |
| | | | | | | 3/29/2010 | 4.10 | NA |
| | | | | | | 11/1/2011 | 4.64 | NA |
| | | | | | | 11/16/2012 | 5.96 | NA |
| 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 |
| | | | | | | 2/23/2009 | 42.50 | 732.20 |
| | | | | | | 3/29/2010 | 38.20 | 736.50 |
| | | | | | | 11/1/2011 | 43.50 | 731.20 |
| | | | | | | 11/16/2012 | 42.40 | 732.30 |

*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-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 |
| | | | | | | 3/11/2009 | 37.43 | 700.37 |
| | | | | | | 3/29/2010 | 30.22 | 707.58 |
| | | | | | | 11/1/2011 | 36.15 | 701.65 |
| | | | | | | 11/16/2012 | 35.04 | 702.76 |
| | | | | | | 12/12/2013 | 34.75 | 703.05 |
| 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 |
| | | | | | | 2/25/2009 | 52.18 | 701.92 |
| | | | | | | 3/29/2010 | 50.65 | 703.45 |
| | | | | | | 11/1/2011 | NM | |
| | | | | | | 11/16/2012 | NM | |
| 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 |
| | | | | | | 2/23/2009 | 41.63 | 731.12 |
| | | | | | | 3/29/2010 | 37.13 | 735.62 |
| | | | | | | 11/1/2011 | 41.53 | 731.22 |
| | | | | | | 11/16/2012 | 41.00 | 731.75 |
| 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 |
| | | | | | | 2/23/2009 | 15.54 | 710.46 |
| | | | | | | 3/29/2010 | 14.75 | 711.25 |
| | | | | | | 11/1/2011 | 16.43 | 709.57 |
| | | | | | | 11/16/2012 | 18.10 | 707.90 |

*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-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 |
| | | | | | | 2/23/2009 | 6.22 | 706.42 |
| | | | | | | 3/29/2010 | 5.80 | 706.84 |
| | | | | | | 11/1/2011 | 6.69 | 705.95 |
| | | | | | | 11/16/2012 | 9.35 | 703.29 |
| 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 |
| | | | | | | 2/23/2009 | 6.92 | 706.33 |
| | | | | | | 3/29/2010 | 5.83 | 707.42 |
| | | | | | | 11/1/2011 | 6.82 | 706.43 |
| | | | | | | 11/16/2012 | 9.57 | 703.68 |
| | | | | | | 12/17/2013 | 7.39 | 705.86 |
| 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 |
| | | | | | | 2/23/2009 | 6.50 | 707.43 |
| | | | | | | 3/29/2010 | 5.78 | 708.15 |
| | | | | | | 11/1/2011 | 7.58 | 706.35 |
| | | | | | | 11/16/2012 | 10.50 | 703.43 |
| 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 |
| | | | | | | 2/23/2009 | 31.97 | 720.09 |
| | | | | | | 3/29/2010 | 27.64 | 724.42 |
| | | | | | | 11/1/2011 | 32.63 | 719.43 |
| | | | | | | 11/16/2012 | 32.35 | 719.71 |

*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-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 |
| | | | | | | 2/23/2009 | 28.53 | 715.27 |
| | | | | | | 3/29/2010 | 24.32 | 719.48 |
| | | | | | | 11/1/2011 | 30.13 | 713.67 |
| | | | | | | 11/16/2012 | 30.15 | 713.65 |
| 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 |
| | | | | | | 2/23/2009 | 30.39 | 714.51 |
| | | | | | | 3/29/2010 | 26.17 | 718.73 |
| | | | | | | 11/1/2011 | 32.99 | 711.91 |
| | | | | | | 11/16/2012 | 33.17 | 711.73 |
| 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 |
| | | | | | | 2/23/2009 | 27.99 | 716.40 |
| | | | | | | 3/29/2010 | 23.70 | 720.69 |
| | | | | | | 11/1/2011 | 28.03 | 716.36 |
| | | | | | | 11/16/2012 | 27.33 | 717.06 |
| 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 |
| | | | | | | 2/23/2009 | 19.83 | 716.01 |
| | | | | | | 3/29/2010 | 15.45 | 720.39 |
| | | | | | | 11/1/2011 | 21.26 | 714.58 |
| | | | | | | 11/16/2012 | 21.30 | 714.54 |
| 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 |
| | | | | | | 2/23/2009 | 20.19 | 715.55 |
| | | | | | | 3/29/2010 | 15.93 | 719.81 |
| | | | | | | 11/1/2011 | 21.71 | 714.03 |
| | | | | | | 11/16/2012 | 21.50 | 714.24 |

*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) |
|---|---|---|---|---|---|---|---|---|
| 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 | -- |
| | | | | | | 2/23/2009 | 35.97 | 718.73 |
| | | | | | | 3/29/2010 | 4.30 | 750.40 |
| | | | | | | 11/1/2011 | 18.61 | 736.09 |
| | | | | | | 11/16/2012 | 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 |
| | | | | | | 2/23/2009 | 3.52 | 720.38 |
| | | | | | | 3/29/2010 | 2.56 | 721.34 |
| | | | | | | 11/1/2011 | 11.72 | 712.18 |
| | | | | | | 11/16/2012 | 12.52 | 711.38 |
| W-15 | 55 | 35-55 | 727.36-707.36 | 760.0 | 762.36 | 8/21/2006 | NM | NM |
| | | | | | | 2/23/2009 | NM | NM |
| | | | | | | 3/29/2010 | NM | NM |
| | | | | | | 11/1/2011 | 40.96 | 721.40 |
| | | | | | | 11/16/2012 | 40.27 | 722.09 |
| W-16 | 38 | 28-38 | 714.01-704.01 | 739.8 | 742.01 | 9/17/2002 | 29.73 | 712.28 |
| | | | | | | 9/11/2003 | NM | NM |
| | | | | | | 8/16/2004 | NM | NM |
| | | | | | | 8/21/2006 | NM | NM |
| | | | | | | 2/23/2009 | 22.53 | 719.48 |
| | | | | | | 3/29/2010 | 18.42 | 723.59 |
| | | | | | | 11/1/2011 | 23.69 | 718.32 |
| | | | | | | 11/16/2012 | 23.62 | 718.39 |
| 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 |
| | | | | | | 2/23/2009 | 7.80 | 702.64 |
| | | | | | | 3/29/2010 | 4.62 | 705.82 |
| | | | | | | 11/1/2011 | 9.86 | 700.58 |
| | | | | | | 11/16/2012 | 10.20 | 700.24 |
| 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 |
| | | | | | | 2/23/2009 | 36.08 | 717.63 |
| | | | | | | 3/29/2010 | 33.81 | 719.90 |
| | | | | | | 11/1/2011 | 36.69 | 717.02 |
| | | | | | | 11/16/2012 | 37.55 | 716.16 |
| 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 |
| | | | | | | 2/23/2009 | 28.75 | 718.58 |
| | | | | | | 3/29/2010 | 24.68 | 722.65 |
| | | | | | | 11/1/2011 | 29.22 | 718.11 |
| | | | | | | 11/16/2012 | 29.00 | 718.33 |

*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-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 |
| | | | | | | 2/23/2009 | 4.59 | 712.65 |
| | | | | | | 3/29/2010 | 4.05 | 713.19 |
| | | | | | | 11/1/2011 | 7.01 | 710.23 |
| | | | | | | 11/16/2012 | 7.61 | 709.63 |
| 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 |
| | | | | | | 2/23/2009 | 14.60 | 703.58 |
| | | | | | | 3/29/2010 | 9.48 | 708.70 |
| | | | | | | 11/1/2011 | 15.02 | 703.16 |
| | | | | | | 11/16/2012 | 15.70 | 702.48 |
| 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 |
| | | | | | | 2/23/2009 | 40.10 | 732.56 |
| | | | | | | 3/29/2010 | 36.44 | 736.22 |
| | | | | | | 11/1/2011 | 41.74 | 730.92 |
| | | | | | | 11/16/2012 | 41.65 | 731.01 |
| 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 |
| | | | | | | 2/23/2009 | 39.55 | 732.34 |
| | | | | | | 3/29/2010 | 35.74 | 736.15 |
| | | | | | | 11/1/2011 | 41.01 | 730.88 |
| | | | | | | 11/16/2012 | 41.40 | 730.49 |
| 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 | -- |
| | | | | | | 2/23/2009 | NM | -- |
| | | | | | | 3/29/2010 | NM | -- |
| | | | | | | 11/1/2011 | NM | -- |
| | | | | | | 11/16/2012 | 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-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 |
| | | | | | | 2/23/2009 | NM | NM |
| | | | | | | 3/29/2010 | NM | NM |
| | | | | | | 11/1/2011 | NM | NM |
| | | | | | | 11/16/2012 | 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 |
| | | | | | | 2/23/2009 | NM | NM |
| | | | | | | 3/29/2010 | NM | NM |
| | | | | | | 11/1/2011 | NM | NM |
| | | | | | | 11/16/2012 | 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 |
| | | | | | | 2/23/2009 | NM | NM |
| | | | | | | 3/29/2010 | NM | NM |
| | | | | | | 11/1/2011 | 39.05 | 726.15 |
| | | | | | | 11/16/2012 | 37.61 | 727.59 |
| 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 |
| | | | | | | 2/23/2009 | NM | NM |
| | | | | | | 3/29/2010 | NM | NM |
| | | | | | | 11/1/2011 | NM | NM |
| | | | | | | 11/16/2012 | NM | NM |
| 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 |
| | | | | | | 2/23/2009 | 32.79 | 727.98 |
| | | | | | | 3/29/2010 | 28.64 | 732.13 |
| | | | | | | 11/1/2011 | 33.73 | 727.04 |
| | | | | | | 11/16/2012 | 33.58 | 727.19 |

*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) |
|---|---|---|---|---|---|---|---|---|
| RW-NIS1 | 40 | 20-40 | -- | -- | -- | 12/19/2005 | 10.51 | -- |
| | | | | | | 2/23/2009 | 9.43 | -- |
| | | | | | | 3/29/2010 | 8.72 | -- |
| | | | | | | 11/1/2011 | 3.79 | -- |
| | | | | | | 11/16/2012 | 5.57 | |
| RW-SIS1 | 50 | 30-50 | -- | -- | -- | 12/19/2005 | 11.59 | -- |
| | | | | | | 2/23/2009 | NM | -- |
| | | | | | | 3/29/2010 | NM | -- |
| | | | | | | 11/1/2011 | NM | -- |
| | | | | | | 11/16/2012 | NM | |
| RW-SIS2 | 40 | 20-40 | -- | -- | -- | 12/19/2005 | 6.48 | -- |
| | | | | | | 2/23/2009 | 7.47 | -- |
| | | | | | | 3/29/2010 | 6.98 | -- |
| | | | | | | 11/1/2011 | 6.11 | -- |
| | | | | | | 11/16/2012 | 8.84 | |
| RW-SIS3 | 40 | 20-40 | -- | -- | 713.60 | 12/19/2005 | 6.67 | 706.93 |
| | | | | | | 2/23/2009 | 5.15 | 708.45 |
| | | | | | | 3/29/2010 | 4.05 | 709.55 |
| | | | | | | 11/1/2011 | 4.82 | 708.78 |
| | | | | | | 11/16/2012 | 5.43 | 708.17 |
| RW-SIS4 | 45 | 1545 | -- | -- | 713.16 | 12/19/2005 | 4.38 | 708.78 |
| | | | | | | 2/23/2009 | 9.99 | 703.17 |
| | | | | | | 3/29/2010 | 2.51 | 710.65 |
| | | | | | | 11/1/2011 | 4.27 | 708.89 |
| | | | | | | 11/16/2012 | 4.00 | 709.16 |
| RW-SIS5 | | | | | | 12/19/2005 | 9.22 | -- |
| | | | | | | 2/23/2009 | 9.22 | -- |
| | | | | | | 3/29/2010 | 5.50 | -- |
| | | | | | | 11/1/2011 | 9.56 | -- |
| | | | | | | 11/16/2012 | 8.50 | |
| RW-SIS6 | | | | | | 12/19/2005 | 5.28 | -- |
| | | | | | | 2/23/2009 | 6.15 | -- |
| | | | | | | 3/29/2010 | 4.70 | -- |
| | | | | | | 11/1/2011 | 5.73 | -- |
| | | | | | | 11/16/2012 | 6.70 | |
| RW-LFS1 | 50 | 30-50 | -- | - | 696.44 | 12/19/2005 | 14.71 | 681.73 |
| | | | | | | 2/23/2009 | 12.09 | 684.35 |
| | | | | | | 3/29/2010 | 10.97 | 685.47 |
| | | | | | | 11/1/2011 | 11.88 | 684.56 |
| | | | | | | 11/16/2012 | 11.74 | 684.70 |
| RW-LFS2 | 50 | 30-50 | -- | -- | 697.48 | 12/19/2005 | 19.39 | 678.09 |
| | | | | | | 2/23/2009 | 13.16 | 684.32 |
| | | | | | | 3/29/2010 | 12.05 | 685.43 |
| | | | | | | 11/1/2011 | 13.49 | 683.99 |
| | | | | | | 11/16/2012 | 12.96 | 684.52 |

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 | VOLATILE ORGANIC COMPOUNDS (ug/L) | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| MW-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/28/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/5/2009 | 17 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 15.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 3/31/2010 | 0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/2/2011 | 0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 11/20/2012 | 54 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **54.4** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 1/21/2013 | ND | | | | | | | <2.0 | | | | | | | | | | | | | | | | | |
| | 12/9/2013 | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | ND |
| MW-2A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/24/1997 | 4 | 4 J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MW-2C | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/24/1997 | 620 | 160 | ND | **260** | **98.0** | **30.0** | ND | ND | ND | **7 J** | ND | 3 J | 10 J | ND | ND | | ND | ND | **6 J** | ND | ND | **13.0** | **31.0** | ND | 2.0 |
| | 7/15/1998 | 600 | ND | 100 | **290 D** | **140** | ND | ND | ND | ND | **5.0** | ND | ND | ND | ND | ND | | ND | ND | **6.0** | ND | ND | **9.0** | **50.0** | ND | ND |
| | 2/24/2009 | 102 | <1.0 | <1.0 | **41.1** | <1.0 | **2.8** | <1.0 | **49.0** | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **4.9** | <2.0 | ND |
| MW-3A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8/6/1996 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | | ND | ND | ND | ND |
| | 1/29/1997 | 24 | ND | ND | ND | ND | ND | ND | ND | ND | **3 J** | ND | 15 | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | 6 |
| MW-3B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/15/1998 | 139 | ND | ND | ND | ND | ND | ND | **120 J** | ND | **3 J** | | 14 | 2 J | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 9/26/2000 | 186 | <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 | 139 | <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 | 273 | 11 | ND | **150** | **31** | **5.0** | ND | | ND | **6** | | 37 | ND | ND | | ND | ND | 2 J | **4J** | ND | ND | **14** | **13** | ND | ND |
| | 1/28/1997 | 197 | 6 | ND | **92** | **21** | **3.0** | ND | ND | ND | ND | | 41 | 14 | ND | | NA | ND | 1 J | ND | ND | ND | **9** | **10.0** | ND | ND |
| | 9/26/2000 | 138 | <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 | 178 | <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 | 152 | <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 | 103 | <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 | 132 | <5 | <5 | **19.4** | <5 | <5 | <5 | **71** | <10 | <5 | | 30.0 | <10 | <5 | | 12.4 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 2/27/2009 | 589 | <1.0 | <1.0 | **104** | **20.3** | **4.4** | <1.0 | **160** | <5.0 | **3.0** | <1.0 | **151** | 32.7 | <1.0 | <1.0 | **70.1** | <1.0 | <1.0 | **1.9** | <1.0 | <1.0 | 2.5 | **39.4** | <2.0 | ND |
| | 3/30/2010 | 863 | <1.0 | <1.0 | **161** | **32.4** | **6.31** | <1.0 | **186** | <5.0 | **3.92** | <1.0 | **249** | 45.7 | <1.0 | <1.0 | **108** | <1.0 | 4.87 | **1.71** | <1.0 | <1.0 | 2.71 | **61.0** | ND | ND |
| | 11/1/2011 | 1,861 | 29.1 | <0.5 | **396** | **144.0** | **14.10** | <0.5 | **80** | <0.5 | **9.94** | <0.5 | **459** | 192.0 | <0.5 | <0.5 | **364** | <0.5 | <0.5 | **3.09** | <0.5 | 1.15 | **8.74** | **157.0** | <0.5 | 3.26 |
| | 11/20/2012 | 1,798 | 28.5 | <0.5 | **361** | **106.0** | <0.5 | <0.5 | **268** | <0.5 | **8.73** | <0.5 | **386** | 150.0 | <0.5 | <0.5 | **314** | <0.5 | 4.30 | **3.83** | 1.26 | 1.40 | **8.36** | **146.0** | 0.7 | 10.31 |
| | 12/11/2013 | 2,268 | 18.6 | <5 | **383** | **107.0** | **14.50** | <5 | **549** | <50 | **9.30** | <5 | **559** | 137.0 | <5 | <5 | **318** | <5 | <5 | <5 | <5 | <5 | <5 | **173.0** | <5 | ND |
| MW-4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/27/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MW-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/24/2009 | 19 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **18.6** | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| MW-6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/27/1997 | ND | 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 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <100 | | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/6/2001 | 40 | <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 | 24 | <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 | 16 | <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 | 14 | <5 | <5 | <5 | <5 | <5 | <5 | **13.8** | <10 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/3/2009 | 75 | <1.0 | <1.0 | 5.9 | <1.0 | <1.0 | <1.0 | **36.8** | 16.2 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | <1.0 | 6.3 | <1.0 | 2.4 | **2.9** | <1.0 | <1.0 | 1.6 | **2.0** | <2.0 | ND |
| | 3/30/2010 | 73 | <1.0 | <1.0 | **7.99** | <1.0 | <1.0 | <1.0 | **47.9** | <5.0 | <1.0 | <1.0 | 1.21 | <1.0 | <1.0 | <1.0 | 7.47 | <1.0 | 2.51 | **1.86** | <1.0 | <1.0 | 1.44 | **2.13** | ND | ND |
| | 11/1/2011 | 57 | <0.5 | <0.5 | **12.90** | 1.84 | <0.5 | <0.5 | **18.0** | <0.5 | <0.5 | <0.5 | 3.86 | 2.58 | <0.5 | <0.5 | 11.20 | <0.5 | <0.5 | 0.52 | <0.5 | <0.5 | 1.92 | **3.66** | <0.5 | 0.63 |
| | 11/19/2012 | 58 | <0.5 | <0.5 | **13.20** | <0.5 | <0.5 | <0.5 | **19.7** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 14.10 | <0.5 | <0.5 | **1.86** | <0.5 | 0.68 | 2.46 | **4.87** | <0.5 | 0.76 |
| | 12/11/2013 | 48 | <5 | <5 | **13.80** | <5 | <5 | <5 | **12.3** | <50 | <5 | <5 | 6.50 | <5 | <5 | <5 | 15.70 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| MW-7B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/3/2009 | 244,324 | **2,630** | <100X | **25,800** | **10,100** | **9,760** | <100X | **28,900** | **12,000** | <100X | <100X | **39,500** | **2,450** | <100X | <100X | **36,100** | 181 | **48,100** | **522** | **6,020** | <100X | **251** | **15,800** | **1,740** | 4,470 |
| MW-8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/28/1997 | 119 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | **2 J** | 96 | 4.0 |
| | 3/5/2009 | 47 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **10.8** | 15.2 | **6.6** | <1.0 | 10.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| MW-9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/28/1997 | 1 | ND | ND | ND | ND | ND | ND | ND | ND | 1 J | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| DUP-1 (MW-9 | 1/28/1997 | 2 | ND | ND | ND | ND | ND | ND | ND | ND | **2 J** | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 2/26/2009 | 182 | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | **168** | 6.0 | <1.0 | <1.0 | 2.7 | 2.0 | <1.0 | <1.0 | 2.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| MW-10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (TD = 28 ft) | 1/27/1997 | 126 | ND | ND | 6 | ND | ND | ND | **120** | ND | **2 J** | | ND | ND | ND | | | ND | ND | ND | ND | ND | 1 J | 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 | ND |
| | 9/26/2000 | 258 | <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 | 335 | <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 | 234 | <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 | 221 | <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 | 198 | <5 | <5 | <5 | <5 | <5 | <5 | **198** | <10 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/6/2009 | 176 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **162** | 6.4 | 1.1 | <1.0 | 4.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 3/29/2010 | 184 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **166** | 10.6 | <1.0 | <1.0 | 3.82 | 1.26 | <1.0 | <1.0 | <1.0 | <1.0 | 2.31 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/1/2011 | 56 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **47** | <0.5 | <0.5 | <0.5 | 3.99 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 6.45 |
| | 11/19/2012 | 148 | <5 | 74 | <5 | <5 | <5 | <5 | **74.4** | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | ND |
| | 12/10/2013 | 33 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **28.1** | <5 | <0.5 | <0.5 | 2.27 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | 2.74 |
| MW-11 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/23/1997 | 84 | 5 J | ND | 4 J | 3 J | ND | ND | ND | ND | **4 J** | | 9 | ND | ND | | NA | 10 | ND | ND | ND | ND | ND | ND | 2 J | 47 |
| | 9/28/2000 | 298 | <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 | 314 | <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 | 434 | <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 | 118 | <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 | 120 | <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 |
| | 3/4/2009 | 74 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **39.8** | 11.6 | **5.4** | <1.0 | 15.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| MW-12A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/23/1997 | 11 | 2 J | ND | ND | 3 J | ND | ND | ND | ND | **2 J** | | ND | ND | ND | | | ND | ND | ND | 2 J | ND | 2 J | ND | ND | ND |
| | 7/10/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 10/30/2000 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <100 | | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/6/2001 | 12 | <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 | 27 | <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 | 28 | <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 | 44 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | 43.7 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/6/2009 | 40 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 38.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 4/1/2010 | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.50 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.09 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/2/2011 | 38 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **29.0** | <5 | <0.5 | <0.5 | 8.04 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.61 |
| | 11/19/2012 | 203 | <5 | <5 | <5 | <5 | <5 | <5 | **203** | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | ND |
| | 12/10/2013 | 210 | <5 | <5 | <5 | <5 | <5 | <5 | **210** | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| MW-12B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/23/1997 | 16 | 6 | ND | 2 J | ND | ND | ND | ND | ND | ND | | 8.0 | ND | ND | | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 7/10/1998 | 11 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | 11 | ND | ND | | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 9/28/2000 | 567 | <5 | <5 | <5 | <5 | <5 | <5 | **510** | | <5 | | 18 | <10 | <5 | | 11.0 | <5 | **28** | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/6/2001 | 371 | <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 | 221 | <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 | 262 | <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 | 196 | <5 | <5 | <5 | <5 | <5 | <5 | **182** | <10 | <5 | | 13.7 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/4/2009 | 224 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **199** | 17.6 | <1.0 | <1.0 | 5.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 4/9/2010 | 191 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **176** | 12.6 | <1.0 | <1.0 | 2.50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/2/2011 | 62 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **43** | <5 | <0.5 | <0.5 | 13.0 | <0.5 | <0.5 | <0.5 | 3.6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.5 | <0.5 | <0.5 | 1.1 |
| | 11/19/2012 | 69 | <10 | <10 | <10 | <10 | <10 | <10 | **68.5** | <100 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | ND |
| | 12/10/2013 | 83 | <5 | <5 | <5 | <5 | <5 | <5 | **71.4** | <50 | <5 | <5 | 11.3 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | ND |
| MW-12D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9/10/1998 | ND | ND | | ND | ND | ND | | ND | ND | ND | | ND | ND | ND | | NA | NA | ND | ND | ND | NA | ND | ND | ND | ND |
| | 9/29/2000 | 132 | <5 | <5 | <5 | <5 | <5 | <5 | **120** | NA | <5 | | <5 | <10 | <5 | | <5 | <5 | **12** | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/12/2001 | 54 | <5 | <5 | <5 | <5 | <5 | <5 | **14.4** | 39.6 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/20/2002 | 31 | <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 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/5/2009 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 4/1/2010 | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.58 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/3/2011 | 11 | <0.5 | <0.5 | 0.99 | <0.5 | <0.5 | <0.5 | **3.0** | <5 | <0.5 | <0.5 | 2.22 | <0.5 | <0.5 | <0.5 | 1.42 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 11/23/2012 | 79 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **77.6** | <5 | <0.5 | <0.5 | 1.30 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 12/12/2013 | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| MW-14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8/6/1996 | 147 | ND | ND | ND | ND | ND | ND | | ND | ND | ND | **140** | ND | ND | ND | | ND | ND | ND | ND | | ND | **7 J** | ND | ND |
| | 1/29/1997 | 2,118 | ND | ND | 1 J | ND | ND | ND | **1,700 J** | ND | **2 J** | ND | **180** | ND | ND | ND | | ND | ND | ND | ND | ND | **3 J** | **7 J** | 1 J | 46 |
| MW-15A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/30/1997 | 2,266 | ND | ND | ND | ND | ND | ND | **1,700** | ND | **9 J** | ND | **520** | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | 37.0 |
| | 9/5/2001 | 3,157 | <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 | 2,140 | <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 | 2,424 | <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 | 3,209 | <25 | <25 | <25 | <25 | <25 | <25 | **2,720** | <50 | <25 | | **489** | <50 | <25 | | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <50 | <25 | ND |
| | 3/6/2009 | 2,238 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **1.2** | **1,900** | <5.0 | <1.0 | <1.0 | **335** | <1.0 | <1.0 | <1.0 | 1.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 3/31/2010 | 1,211 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **1.26** | **1,170** | <5.0 | <1.0 | <1.0 | 32.7 | <1.0 | <1.0 | <1.0 | 7.48 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/2/2011 | 940 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **1.23** | **480** | <5 | **1.27** | <0.5 | **430** | <0.5 | <0.5 | <0.5 | 1.64 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.92 | 14.96 |
| | 11/19/2012 | 2,324 | <10 | <10 | <10 | <10 | <10 | <10 | **1,920** | <100 | <10 | <10 | **404** | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | <10 | ND |
| | 12/10/2013 | 3,308 | <5 | <5 | <5 | <5 | <5 | <5 | **2,950** | <50 | <5 | <5 | **350** | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | 8.20 |
| MW-15B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/30/1997 | 330 | ND | ND | ND | ND | ND | ND | **210 J** | ND | 1 J | ND | **110** | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | 9.0 |
| MW-16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/21/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| MW-17 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/5/2009 | 305 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **258** | 30.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 5.8 | <1.0 | <1.0 | 1.7 | <1.0 | <1.0 | 5.9 | 3.2 | <2.0 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| MRF-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/21/1997 | 63 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | 63.0 | ND | ND | ND |
| | 7/13/1998 | 53 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | 53.0 | ND | ND | ND |
| | 2/24/2009 | 65 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 28.3 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 6.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 29.9 | <1.0 | <2.0 | ND |
| MRF-2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/21/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| OW-NIS1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/10/2009 | 214 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 180 | 9.9 | <1.0 | <1.0 | 20.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| OW-DR1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9/28/2000 | 26,291 | 360 | <5 | 4,300 | 1,000 | 150 | <5 | 2,900 | | 150 | | 6,600 | 3,300 | <5 | | 4,100 | 33 | 310 | 18 | 420 | 26 | 14 | 2,400 | 210 | ND |
| OW-DR2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/21/1998 | 11,612 | 400 J | | 1,500 D | 480 J | ND | | 3,400 J | ND | 150 | | 2,900 D | 1,100 D | | | | | ND | 40 J | 460 J | | 22 | ND | 250 J | 910 |
| | 9/26/2000 | 25,240 | 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 | 27,394 | 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 |
| | 2/27/2009 | 25,306 | 1,230 | 7.3 | 3,550 | 1,580 | 141 | 1.3 | 4,180 | 46.8 | 113 | <1.0 | 5,380 | 1,030 | 4.3 | 41.4 | 6,320 | 21.1 | 41.4 | 47.2 | 201 | 17.4 | 29.5 | 1,190 | 120 | 13.6 |
| | 3/30/2010 | 24,982 | 1,330 | <1.0 | 3,330 | 1,790 | 123 | <5.0 | 3,910 | <5.0 | 127 | <1.0 | 5,510 | 1,090 | <1.0 | <1.0 | 6,400 | <1.0 | <1.0 | <1.0 | 182 | <1.0 | <1.0 | 1,190 | ND | ND |
| | 11/1/2011 | 22,265 | 1,910 | <25 | 3,000 | 2,050 | 121 | <25 | 990 | <250 | 101 | <25 | 4,130 | 2,350 | <25 | <25 | 6,290 | <25 | <25 | <25 | 153 | <25 | <25 | 1,100 | 38 | 32.0 |
| | 11/23/2012 | 19,775 | 1,620 | <50 | 2,230 | 1,430 | <50 | <50 | 2,180 | <500 | <50 | <50 | 4,810 | 1,760 | <50 | <50 | 4,650 | <50 | <50 | <50 | 177 | <50 | <50 | 918 | <50 | ND |
| | 12/11/2013 | 24,766 | 1,920 | <50 | 2,730 | 1,920 | 120 | <50 | 3,130 | <500 | 154 | <50 | 4,800 | 1,890 | <50 | <50 | 6,600 | <50 | <50 | <50 | 172 | <50 | <50 | 1,330 | <100 | ND |
| OW-DR3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9/20/2002 | 3,989 | <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 | 2,815 | <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 | 4,403 | <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 | 3,438 | <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 |
| | 3/4/2009 | 2,184 | <1.0 | <1.0 | 251 | 5.3 | 25.1 | <1.0 | 552 | <5.0 | 3.3 | <1.0 | 984 | 267 | <1.0 | 5.8 | 38.7 | <1.0 | 5.0 | 1.3 | 2.4 | <1.0 | 2.6 | 40.6 | <2.0 | ND |
| | 11/26/2012 | 2,352 | <0.5 | <0.5 | 226 J | 14.7 | 23.3 | <0.5 | 471 | <5 | <0.5 | <0.5 | 1,020 | 359 | <0.5 | <0.5 | 73.4 | <0.5 | 5.5 | 2.06 | 2.16 | 1.21 | 6.55 | 92.8 | 0.61 | 279.57 |
| | 12/10/2013 | 2,757 | <5 | <5 | 374 | 43.6 | 26.4 | <5 | 793 | <50 | <5 | <5 | 1,060 | 249 | <5 | <5 | 112.0 | <5 | <5 | <5 | <5 | <5 | 7.70 | 85.3 | <10 | 6.30 |
| OW-DR4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9/23/2002 | 20,502 | 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 | 22,030 | 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 | 20,516 | 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 | 9,067 | 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 |
| | 10/20/2004 | 20,733 | 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 |
| | 2/25/2009 | 15,223 | 1,490 | 6.2 | 2,570 | 1,510 | 156 | <1.0 | 1,300 | 56.0 | 96.4 | <1.0 | 659 | 127 | 7.1 | 3.9 | 6,350 | 4.3 | <1.0 | 44.9 | 12.9 | 17.7 | 96.3 | 677 | 38.5 | ND |
| OW-SIS-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8/17/2004 | 9,885 | 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 |
| | 3/9/2009 | 16,834 | 2,820 | 11.6 | 1,280 | 2,950 | 256 | <10.0X | 1,360 | 107 | 180 | <10.0X | 179 | 54.1 | 29.6 | <10.0X | 5,200 | <10.0X | 146 | 412 | <10.0X | <10.0X | 1,540 | 288 | 20.9 | ND |
| OW-SIS-2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/24/2009 | 3,111 | 79.8 | <1.0 | 579 | 277 | 26 | <1.0 | 418 | 17.8 | 38.2 | <1.0 | 29 | 14.8 | <1.0 | <1.0 | 1,030 | 4.9 | 356 | 3.8 | 36.1 | 2.1 | 3.9 | 167 | 28.2 | ND |
| OW-SIS-3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/4/2009 | 41,840 | 9,110 | 14.4 | 4,320 | 4,640 | 172 | 2.7 | 2,540 | 158 | 167 | <1.0 | 147 | 23.5 | 34.9 | <1.0 | 13,600 | 46.2 | 3,330 | 103 | 132 | 72.6 | 1,620 | 1,400 | 207 | ND |
| OW-SF1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/9/2009 | 57,440 | 2,920 | 48.4 | 4,980 | 5,530 | 1,860 | <10.0X | 6,670 | 242 | 89.6 | <10.0X | 2,160 | 1,840 | 194 | <10.0X | 20,400 | 15.7 | 680 | 437 | 618 | 40.2 | 1,290 | 7,240 | 185 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| OW-LFS-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/26/2009 | 782 | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | 723 | 12.8 | 4.5 | <1.0 | 20.8 | 12.0 | <1.0 | <1.0 | 4.3 | 2.4 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| OW-LFS-2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/26/2009 | 363 | <1.0 | <1.0 | 1.9 | <1.0 | <1.0 | <1.0 | 329 | 9.0 | 2.4 | <1.0 | 9.4 | 3.5 | <1.0 | <1.0 | 7.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | <2.0 | ND |
| | 3/30/2010 | 281 | <1.0 | <1.0 | 2.33 | <1.0 | <1.0 | <1.0 | 251 | <5.0 | 2.17 | <1.0 | 9.92 | 2.74 | <1.0 | <1.0 | 11.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.15 | <1.0 | ND | ND |
| | 11/1/2011 | 110 | <0.5 | <0.5 | 3.23 | <0.5 | <0.5 | <0.5 | 65 | <5 | 4.52 | <0.5 | 10.1 | 1.90 | <0.5 | <0.5 | 20.7 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.3 | <0.5 | 3.5 |
| | 11/19/2012 | 276 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 274 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.12 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 12/11/2013 | 421 | <5 | <5 | <5 | <5 | <5 | <5 | 391 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | 29.60 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | ND |
| PW-1D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/24/1997 | 659 | ND | ND | 1 J | 1 J | ND | ND | 530 J | ND | ND | 7 | ND | ND | ND | ND | | ND | ND | ND | ND | ND | 120 | ND | ND | ND |
| | 7/15/1998 | 110 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | 110 | ND | ND | ND |
| PW-2D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/7/1997 | 28 | ND | ND | 10 | ND | ND | ND | ND | 10 J | ND | ND | ND | 4 J | ND | ND | | ND | 4 J | ND | ND | ND | ND | ND | ND | ND |
| | 7/18/1998 | 11 | ND | ND | 9 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | 2 J | ND | ND | ND | ND | ND | ND | ND |
| | 2/26/2009 | 21 | <1.0 | <1.0 | 1.3 | <1.0 | <1.0 | <1.0 | 19.5 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| PW-3D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/7/1997 | 42,680 | 4,100 | ND | 370 J | 790 | 15,000 | ND | ND | ND | 260 J | ND | 16,000 | ND | ND | ND | | ND | 1,300 | 990 | 740 | ND | 3,600 | ND | ND | 160 |
| | 7/17/1998 | 21,462 | ND | 650 D | ND | 520 J | 8,100 D | ND | ND | ND | 160 | ND | 8,600 | 3 J | 2 J | ND | | 13 | 680 | 610 D | ND | ND | 2,000 D | 54.0 | 49.0 | 21.0 |
| | 4/9/2010 | 22,149 | <1.0 | <1.0 | 393.0 | 82.5 | 8,840 | <1.0 | 39.8 | 18.4 | 5.46 | <1.0 | 174 | <1.0 | <1.0 | <1.0 | 36.1 | <1.0 | 99.1 | 137.0 | 7.72 | <1.0 | 419.0 | 11.6 | ND | ND |
| | 11/3/2011 | damaged | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11/27/2012 | 8,532 | 54 | <50 | 293.0 | 203 | 4,830 | <50 | 55.0 | <500 | <50 | <50 | 2,150 | <50 | <50 | <50 | 54.0 | <50 | <50 | 222.0 | 82.0 | <50 | 589.0 | <50 | <50 | ND |
| | 12/17/2013 | 27,696 | 993 | 9.0 | 491.0 | 1,180 | 12,800 | <5 | 19.5 | <50 | 137 | <5 | 7,250 | <5 | <5 | <5 | 59.4 | <5 | 979 | 723.0 | 338.0 | <5 | 2,540.0 | 58.4 | 12.3 | 106.5 |
| PW-4I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/29/1997 | 1,086 | 19.0 | ND | 440 | 19.0 | 280 | ND | ND | ND | 3 J | | 210 | 10 J | ND | | | ND | ND | 4 J | 4 J | ND | 7 J | 100 | 4 J | ND |
| | 7/13/1998 | 1,012 | ND | ND | 240 D | 26 J | 200 D | ND | ND | ND | 3 J | | 110 J | ND | ND | | 140 J | ND | ND | 10 J | 2 J | ND | 11 J | 130 DJ | ND | 140 |
| | 9/26/2000 | 1,063 | 37.0 | <5 | 290 | 28.0 | 200 | <5 | <100 | | <5 | | 160 | <10 | <5 | | 190 | <5 | <5 | 8 | <5 | <5 | 30 | 120 | <10 | ND |
| | 9/12/2001 | 1,532 | 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 | 1,861 | 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 | 1,781 | 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 | 1,997 | 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 |
| | 3/5/2009 | 1,441 | 45.2 | <2.0X | 227 | 66.5 | 192 | <2.0X | 204 | 15.4 | <2.0X | <2.0X | 172 | 6.4 | <2.0X | <2.0X | 288 | <2.0X | <2.0X | 51.4 | <2.0X | <2.0X | 67.2 | 106 | <4.0X | ND |
| | 4/2/2010 | 1,143 | <1.0 | <1.0 | 220 | 38.8 | 178 | <1.0 | 224 | 8.12 | 2.32 | <1.0 | 132 | 3.78 | <1.0 | <1.0 | 195 | <1.0 | 3.19 | 21.3 | <1.0 | <1.0 | 28.5 | 88 | ND | ND |
| | 11/2/2011 | 1,077 | 456 | <5 | 8.84 | 48.7 | 101 | <5 | 44 | <50 | <5 | <5 | 74.2 | <5 | <5 | <5 | 204 | <5 | <5 | 17.3 | <5 | <5 | 118.0 | 4.99 | <5 | ND |
| | 11/20/2012 | 1,086 | 28.9 | <0.5 | 122 | 65.5 | 135 | <0.5 | 175 | <50 | <5 | <5 | 84.3 | <5 | <5 | <5 | 276 | <5 | <5 | 30.0 | <5 | <5 | 87.8 | 81.30 | <5 | ND |
| | 12/17/2013 | 1,276 | 62.2 | <5 | 134 | 67.1 | 139 | <5 | 143 | <50 | <5 | <5 | 82.4 | <5 | <5 | <5 | 406 | <5 | <5 | 9.4 | <5 | <5 | 110.0 | 123.00 | <10 | ND |
| PW-5D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/30/1997 | 426 | ND | ND | 20.0 | ND | 2.0 | ND | ND | 76.0 | 2 J | | 140 | 33.0 | 8.0 | | NA | ND | 26 | ND | 10 | ND | ND | 18 | ND | 91 |
| | 7/14/1998 | 6,293 | 96 J | ND | 550 D | ND | 38.0 | ND | 1,300 | ND | 61 J | | 3,800 | ND | ND | | 22.0 | 19 J | ND | 9 J | 260 D | 3 J | 5 J | ND | 99 J | 31 |
| | 9/26/2000 | 13,327 | 360 | <5 | 2,400 | 500 | 150 | <5 | 2,300 | | 110 | | 4,300 | 220 | <5 | | 1,600 | 21 | 6.3 | 17 | 180 | 31 | 28 | 1,000 | 104 | ND |
| | 9/10/2001 | 13,445 | 437 | <5 | 2,310 | 534 | 168 | <5 | 1,680 | <10 | 90.6 | | 4,110 | 156 | <5 | | 2,280 | 19.3 | 11.1 | 31.7 | 205 | 6.6 | 30.8 | 1,270 | 105 | ND |
| | 9/23/2002 | 14,201 | 552 | <5 | 2,500 | 694 | 211 | <5 | 1,920 | <10 | 90.1 | | 3,460 | 190 | <5 | | 2,900 | 16.9 | 6 | 27.6 | 169 | 7.5 | 26.2 | 1,330 | 101 | ND |
| | 9/19/2003 | 753 | <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 | 12,945 | 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 | 6,457 | 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 |
| | 2/27/2009 | 14,465 | 638 | 5.7 | 1,900 | 885 | 178 | <1.0 | 2,390 | 36.4 | 83.4 | <1.0 | 3,110 | 119 | 3.5 | 22.8 | 4,120 | 14.8 | <1.0 | 38.3 | 131 | 12.1 | 26.4 | 672 | 78.7 | ND |
| | 3/30/2010 | 12,428 | 481 | <20.0 | 1,760 | 771 | 102 | <20.0 | 2,170 | <100 | 71.4 | <20 | 3,070 | 210 | <20.0 | <20.0 | 3,040 | <20.0 | <20.0 | <20.0 | 109 | <20.0 | <20.0 | 644 | ND | ND |
| | 11/3/2011 | 11,290 | 895 | <50 | 1,760 | 925 | 103 | <50 | 580 | <500 | <50 | <50 | 2,440 | 488 | <50 | <50 | 3,450 | <50 | <50 | <50 | <50 | <50 | <50 | 649 | <50 | ND |
| | 11/23/2012 | 11,845 | 792 | <5 | 1,290 | 896 | 109 | <5 | 1,710 | <50 | 51.9 | <5 | 2,000 | 302 | <5 | <5 | 3,850 | <5 | <5 | 21.5 | 101 | <5 | 22.2 | 602 | 49.8 | 47.6 |
| | 12/16/2013 | 19,821 | 1,550 | <5 | 2,200 | 2,200 | 181 | <5 | 3,760 | <50 | 121.0 | <5 | 2,960 | 509 | 7.2 | <5 | 5,300 | <5 | <5 | <5 | <5 | 29.7 | <5 | 920 | 57.6 | 25.5 |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| PW-6D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/21/1998 | ND | ND | | ND | ND | ND | | ND | ND | ND | | ND | ND | | | | | ND | ND | ND | | ND | ND | ND | ND |
| | 10/2/2000 | ND | <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 | ND | <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 | ND | <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 | ND | <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 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/18/2009 | 3.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 3/31/2010 | 31.3 | <1.0 | <1.0 | 4.9 | <1.0 | <1.0 | <1.0 | **5.70** | <5.0 | <1.0 | <1.0 | 15.5 | <1.0 | <1.0 | <1.0 | **3.24** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.0 | ND | ND |
| | 11/3/2011 | damaged | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11/21/2012 | damaged | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12/10/2013 | damaged | | | | | | | | | | | | | | | | | | | | | | | | |
| PW-6I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/28/1997 | 33 | ND | ND | **11** | ND | **1 J** | ND | ND | ND | ND | | 14 | 4 J | ND | | | ND | 1 J | ND | ND | ND | 2 J | ND | ND | ND |
| | 7/14/1998 | 46 | ND | ND | **10** | ND | ND | ND | ND | ND | ND | | 14 | 4 J | ND | | 5 | ND | ND | **5** | ND | ND | **3 J** | ND | ND | 5 |
| | 9/26/2000 | 29 | <5 | <5 | **12** | <5 | <5 | <5 | <100 | | <5 | | 8.4 | <10 | <5 | | 8.3 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/12/2001 | 28 | <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 | 31 | <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 | 47 | <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 | 42 | <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 |
| | 3/4/2009 | 8.2 | <1.0 | <1.0 | **<1.0** | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.0 | <1.0 | 2.4 | <1.0 | 3.8 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 3/31/2010 | 143.1 | <1.0 | <1.0 | **32.0** | 1.63 | **3.47** | <1.0 | **22.5** | <5.0 | <1.0 | <1.0 | 35.7 | 10.3 | <1.0 | <1.0 | **25.2** | <1.0 | <1.0 | 1.56 | <1.0 | <1.0 | 2.81 | 7.88 | ND | ND |
| | 11/3/2011 | damaged | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11/21/2012 | damaged | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12/10/2013 | damaged | | | | | | | | | | | | | | | | | | | | | | | | |
| PW-7I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/6/1997 | 11 | ND | ND | 2 J | ND | ND | ND | ND | 7 J | ND | | 1 J | ND | ND | | | ND | ND | ND | ND | ND | 1 J | ND | ND | ND |
| | 7/17/1998 | 443 | 86 | ND | **16** | **37** | **23** | ND | ND | ND | **2 J** | | **77** | ND | ND | | 50 | ND | ND | **65** | 9 | ND | **21** | **4 J** | 3 J | 50 |
| | 9/28/2000 | 99 | <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 | 158 | <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 | 139 | <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 | 161 | <5 | <5 | <5 | <5 | <5 | <5 | **144** | <10 | <5 | | 9.8 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | 6.8 |
| | 8/25/2004 | 199 | <5 | <5 | <5 | <5 | <5 | <5 | **191** | <10 | <5 | | 8.4 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/4/2009 | 75 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **50.5** | 6.8 | <1.0 | <1.0 | 11.8 | <1.0 | <1.0 | <1.0 | 2.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.4 | <1.0 | 1.8 | ND |
| PW-8S | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/28/1997 | 670 | ND | ND | ND | ND | ND | ND | ND | 670 J | ND | | ND | ND | ND | | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 7/13/1998 | 17 | 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 | 7.7 | <5 | <5 | <5 | <5 | <5 | <5 | <100 | | <5 | | <5 | <10 | <5 | | 7.7 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/6/2001 | 37 | <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 | 180 | <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 | 7.7 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | | 7.7 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 3/3/2009 | 53 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 41.3 | <1.0 | <1.0 | 9.2 | <1.0 | <1.0 | <1.0 | 2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| PW-9I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/30/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 7/17/1998 | 50 | ND | ND | ND | ND | ND | ND | ND | 50 J | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/12/2009 | 97 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **95.2** | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| PW-10D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (TD=200 ft) | 9/10/1998 | 15.0 | ND | ND | 6.0 | ND | ND | ND | ND | ND | ND | | ND | 9 J | NA | | NA | NA | ND | ND | ND | | ND | ND | ND | ND |
| | 9/26/2000 | ND | <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 | 11 | <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 | 10.4 | <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 | ND | <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 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 2/26/2009 | 31 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 | <1.0 | <1.0 | <1.0 | <2.0 | 29.0 |
| | 3/29/2010 | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.37 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/1/2011 | 2 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <5 | <0.5 | <0.5 | 1.56 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.72 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 11/21/2012 | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 12/11/2013 | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | ND |
| PW-10I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (TD=100 ft) | 1/27/1997 | 7.0 | ND | ND | 6 | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | | ND | 1 J | ND | ND | ND | ND | ND | ND | ND |
| | 7/10/1998 | 8.0 | 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 | 14 | <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 | 44 | <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 | 39 | <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 | 126 | <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 | 83 | <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 |
| | 3/12/2009 | 150 | <1.0 | <1.0 | **12.7** | <1.0 | <1.0 | <1.0 | **115** | 13.8 | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | 5.2 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | <2.0 | ND |
| | 3/29/2010 | 229 | <1.0 | <1.0 | **12.6** | <1.0 | <1.0 | <1.0 | **206** | <5.0 | <1.0 | <1.0 | 1.38 | 1.96 | <1.0 | <1.0 | 4.86 | <1.0 | 1.49 | <1.0 | <1.0 | <1.0 | <1.0 | **1.14** | ND | ND |
| | 11/1/2011 | 78 | <0.5 | <0.5 | **21.7** | 1.65 | <0.5 | <0.5 | **36** | <5 | <0.5 | <0.5 | 1.95 | 3.73 | <0.5 | <0.5 | 8.64 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **3.18** | <0.5 | 1.45 |
| | 11/19/2012 | 440 | 220 | <5 | **25.9** | <5 | <5 | <5 | **183** | <50 | <5 | <5 | <5 | <5 | <5 | <5 | 11.4 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | ND |
| | 12/11/2013 | 276 | <5 | <5 | **19.5** | <5 | <5 | <5 | **249** | <50 | <5 | <5 | <5 | <5 | <5 | <5 | 7.7 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | ND |
| PW-11I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/22/1997 | 458 | ND | ND | ND | ND | ND | **8 J** | ND | ND | ND | | ND | ND | ND | | | ND | ND | ND | ND | ND | **450** | ND | ND | ND |
| | 7/16/1998 | 354 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | | 47 | ND | ND | ND | ND | ND | **260 D** | ND | ND | 47 |
| | 9/29/2000 | 156 | <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 | 254 | <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 | 274 | <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 | 516 | <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 | 365 | <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 |
| | 3/5/2009 | 224 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **1.7** | **13.2** | 8.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 36.2 | <1.0 | 2.5 | <1.0 | <1.0 | <1.0 | **162** | <1.0 | <5.0 | ND |
| PW-12I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/22/1997 | 8.0 | ND | ND | ND | ND | ND | ND | ND | 6 J | ND | | ND | ND | ND | | | ND | 2 J | 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 | ND |
| | 10/2/2000 | ND | <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 | 1.0 | <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 | ND | <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 | ND | <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 | ND | <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 | ND | <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 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <5 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 3/3/2009 | 6.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 6.7 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 3/31/2010 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/2/2011 | 1 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.69 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 11/20/2012 | 9 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **8.55** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 1.22 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 1/21/2013 | ND | | | | | | | <2.0 | | | | | | | | | | | | | | | | | |
| | 12/17/2013 | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| PW-13I | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/22/1998 | 295 | 16/14 | NA | 77/76 | 35/26 | ND/ND | NA | ND/ND | ND/ND | 2 J/2 J | | 6/6 | ND/4 J | NA | | | | ND/ND | 3 J / 2 J | 8/8 | NA | 4 J / 4 J | 34/36 | ND/ND | 110/110 |
| | 9/29/2000 | 754 | 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 | 892 | 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 | 799 | <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 | 1,027 | 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 | 1,285 | <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 |
| | 3/4/2009 | 520 | <1.0 | <1.0 | 175 | 39.3 | 8.9 | <1.0 | 78.0 | <5.0 | 5.6 | <1.0 | 18.1 | 4.1 | <1.0 | <1.0 | 133 | <1.0 | <1.0 | 1.8 | <1.0 | <1.0 | 2.6 | 53.9 | <2.0 | ND |
| | 3/31/2010 | 581 | <1.0 | <1.0 | 192 | 41.6 | 8.8 | <1.0 | 92.4 | <5.0 | 4.96 | <1.0 | 14.5 | 3.66 | <1.0 | <1.0 | 158 | <1.0 | <1.0 | 1.07 | <1.0 | <1.0 | 2.08 | 62.0 | ND | ND |
| | 11/3/2011 | 784 | 6.18 | <0.5 | 214 | 121.0 | 11.8 | <0.5 | 27.0 | <5 | 8.05 | <0.5 | 31.4 | 7.27 | <0.5 | <0.5 | 243 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 6.26 | 107.0 | <0.5 | 0.87 |
| | 11/23/2012 | 779 | 2.10 | <0.5 | 137 | 58.5 | <0.5 | <0.5 | 332 | <5 | 2.21 | <0.5 | 23.1 | 4.98 | <0.5 | <0.5 | 147 | <0.5 | <0.5 | 1.64 | <0.5 | <0.5 | 3.26 | 62.1 | <0.5 | 5.21 |
| | 12/16/2013 | 743 | <5 | <5 | 197 | 56.3 | 11.0 | <5 | 139 | <50 | <5 | <5 | <5 | <5 | <5 | <5 | 236 | <5 | <5 | <5 | <5 | <5 | <5 | 104.0 | <10 | ND |
| PW-14D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/22/1998 | ND | ND | | ND | ND | ND | | ND | ND | ND | | ND | ND | | | | | ND | ND | ND | | ND | ND | ND | ND |
| | 10/31/2000 | ND | <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 | 81 | <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 | 71 | <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 | 25 | <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 | 16 | <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 | 13 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 12.6 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 3/11/2009 | 14 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 13.4 | <1.0 | <1.0 | 1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| | 3/31/2010 | 21 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 21.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/7/2011 | 23 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | 13.6 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 9.2 |
| | 11/27/2012 | 40 | <0.5 | <0.5 | 1.1 | <0.5 | <0.5 | <0.5 | 35.4 | <5 | <0.5 | <0.5 | 1.72 | <0.5 | <0.5 | <0.5 | 2.18 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | ND |
| | 12/12/2013 | 690 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 690 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <1 | ND |
| PW-14S | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/23/1998 | ND | ND | | ND | ND | ND | | ND | ND | ND | | ND | ND | | | | | ND | ND | ND | | ND | ND | ND | ND |
| | 10/30/2000 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <100 | | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/6/2001 | ND | <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 | ND | <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 | ND | <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 | ND | <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 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <5 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 3/10/2009 | 28 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 28.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| PW-15D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/21/1998 | 841 | ND | | 150 | ND | 8 | | 320 J | ND | ND | | 14.0 | 220 D | | | | | 75.0 | 3 J | ND | | 3 J | 38.0 | ND | 10.0 |
| | 10/31/2000 | 9,042 | 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 | 12,582 | <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 | 2,467 | 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 | 507 | <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 | 8,571 | 234 | <10 | 1,450 | 507 | 65.2 | <10 | 1,650 | <50 | 57.3 | | 1,910 | 200 | <10 | | 1,920 | <10 | 16.9 | 10.1 | <10 | <10 | <10 | 550 | <20 | ND |
| | 9/26/2007 | 1.8 | <1 | <1 | 1.8 | <1 | <1 | <1 | <2 | <5 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 3/11/2009 | 11,715 | 426 | 3.6 | 1,840 | 740 | 83.6 | <1.0 | 1,990 | 37.1 | 69.3 | <1.0 | 2,890 | 254 | 1.7 | <1.0 | 2,530 | 1.9 | 7.4 | 20.2 | 31.6 | 8.4 | 7.1 | 713 | 52.2 | 7.4 |
| | 3/30/2010 | 14,028 | 466 | 3.37 | 2,120 | 876 | 83.0 | <1.0 | 2,230 | 40.1 | 82.1 | <1.0 | 3,660 | 273 | 1.65 | <1.0 | 3,360 | <1.0 | 8.21 | 15.9 | 19.1 | 9.47 | 8.0 | 772 | ND | ND |
| | 11/7/2011 | 196 | 10.1 | <5 | 39.4 | <5 | <5 | <5 | 8 | <50 | <5 | <5 | 61.9 | <5 | <5 | <5 | 58.4 | <5 | <5 | <5 | <5 | <5 | <5 | 18.5 | <5 | ND |
| | 11/26/2012 | 6,608 | 424 | 1.89 | 1160 | 612 | 64.6 | 0.59 | 1,180 | <5 | 73.9 | <0.5 | 812 J | 351 | <0.5 | <0.5 | 2,070 | 6.56 | 7.23 | 12.0 | 53.2 | 12.0 | 7.48 | 483.0 | 37.5 | 50.63 |
| | 12/12/2013 | 11,775 | 591 | <5 | 1440 | 593 | 70.5 | <5 | 1,770 | <50 | 67.3 | 88.4 | 2920 | 536 | <5 | <5 | 2,920 | <5 | <5 | <5 | 51.8 | <5 | <5 | 676.0 | 32.7 | 18.2 |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| PW-15S | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/21/1998 | ND | ND | | ND | ND | ND | | ND | ND | ND | | ND | ND | | | | | ND | ND | ND | | ND | ND | ND | ND |
| | 10/30/2000 | ND | <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 | 11 | <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 | 25 | <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 | ND | <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 | ND | <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 | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | <5 | <1 | | <1 | <1 | <1 | | 1.5 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 3/11/2009 | 78 | <1.0 | <1.0 | **18.6** | 4.8 | <1.0 | <1.0 | **6.6** | 13.4 | <1.0 | <1.0 | <1.0 | 4.5 | <1.0 | <1.0 | 26.5 | <1.0 | 3.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| PW-16D | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/22/1998 | 786 | ND | | **130** | ND | **6.0** | | **87.0** | ND | **7.0** | | **380** | 140 | | | | | ND | **3 J** | ND | | **6.0** | **16.0** | ND | 11.0 |
| | 11/2/2000 | 1,610 | <120 | <120 | **210** | <120 | <120 | <120 | <2,500 | | <120 | | **1,400** | <250 | <120 | | <120 | <120 | <120 | <120 | <120 | <120 | <120 | <250 | <250 | ND |
| | 9/6/2001 | 4,184 | 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 | 4,324 | <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 | 2,722 | <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 | 4,357 | 71.8 | <10 | **732** | **178** | **31.5** | <10 | **889** | <50 | **31.1** | | **1,370** | 78 | <10 | | **709** | <10 | <10 | <10 | <10 | <10 | <10 | **266** | <20 | ND |
| | 9/25/2007 | 5,130 | <20 | <20 | **844** | **247** | **36.5** | <20 | **882** | <100 | **36.8** | | **1,700** | 75.5 | <20 | | **957** | <20 | <20 | <20 | <20 | <20 | <20 | **351** | <40 | ND |
| | 3/11/2009 | 6,570 | 110 | 1.5 | **1,160** | **372** | **50.5** | <1.0 | **890** | 15.9 | **42.6** | <1.0 | **1,950** | 93.5 | <1.0 | <1.0 | **1,400** | <1.0 | 4.9 | **11.1** | 3.4 | 4.2 | **4.5** | **442** | 10.5 | 3.3 |
| | 3/30/2010 | 6,295 | 88.2 | <1.0 | **1,180** | **329** | **48.2** | <1.0 | **1,080** | 27.2 | **39.9** | <1.0 | **1,780** | 80.8 | <1.0 | <1.0 | **1,240** | <1.0 | 4.85 | **4.97** | 1.50 | 3.03 | **3.59** | **384** | ND | ND |
| | 11/7/2011 | 7,345 | **232.0** | <5 | **1,380** | **732** | **62.5** | <5 | **260** | <50 | **55.9** | <5 | **1,770** | 405.0 | <5 | <5 | **1,740** | <5 | <5 | <5 | <5 | <5 | **11.7** | **655** | 7.9 | 8.0 |
| | 11/26/2012 | 7,820 | 165 | 1.01 | **1,090** | **543** | **50.4** | 0.52 | **1,260** | <5 | **48.7** | <0.5 | **2,100** | 229.0 | <0.5 | <0.5 | **1,680** | <0.5 | 4.57 | **8.59** | 3.30 | 6.72 | **5.5** | **601** | <0.5 | 23.1 |
| | 12/12/2013 | 7,988 | **251** | <5 | **1,360** | **688** | **65.9** | <5 | **1,330** | <50 | **55.2** | **37.0** | **1,870** | 245.0 | <5 | <5 | **1,700** | <5 | <5 | <5 | <5 | <5 | <5 | **368** | 5.7 | 12.0 |
| PW-16S | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 7/22/1998 | ND | ND | NA | ND | ND | ND | | ND | ND | ND | | ND | ND | | | | | ND | ND | ND | | ND | ND | ND | ND |
| | 10/30/2000 | ND | <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 | ND | <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 | ND | <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 | ND | <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 | 6.5 | <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 | ND | <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 | 160 | <5 | <5 | <5 | <5 | <5 | <5 | **160** | | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 12/20/2000 | ND | <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 | ND | <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 | ND | <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 | ND | <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 | ND | <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 | 8.8 | <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 | 6.3 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 6.3 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 3/5/2009 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| PW-18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (TD = 225 ft) | 11/7/2000 | 19 | <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 | ND | <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 | 24 | <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 | 204 | <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 | 149 | <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 | 27 | <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 | 264 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 151 | <1 | | <1 | <1 | < | | <1 | 1.7 | <1 | <1 | 1.2 | <1 | <1 | <1 | 16.3 | 93.8 |
| | 9/26/2007 | 194 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 108 | <1 | | <1 | <1 | < | | <1 | 1.3 | <1 | <1 | 1.2 | <1 | <1 | <1 | 12.0 | 71.1 |
| | 3/12/2009 | 203 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 125 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | 3.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 9.8 | 63.7 |
| | 3/31/2010 | 86 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 85.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.26 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| | 11/7/2011 | 143 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | 92.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 2.94 | 48.43 |
| | 11/26/2012 | 91 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **36.0** | 30.8 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | 0.86 | <0.5 | <0.5 | 0.6 | <0.5 | <0.5 | <0.5 | 6.73 | 24.5 |
| | 1/21/2013 | ND | | | | | | | <2.0 | | | | | | | | | | | | | | | | | |
| | 12/12/2013 | 31 | <5 | <5 | <5 | <5 | <5 | <0.5 | **5.05** | <50 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | 25.6 |
| | 2/25/2014 | | | | | | | | <2.0 | | | | | | | | | | | | | | | | | |
| PW-19 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11/6/2001 | ND | <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 | ND | <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 | ND | <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 | 98 | <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 | ND | <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 | 3.7 | <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 | 5.0 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | 5.0 | <1 | | <1 | <1 | <1 | | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 3/11/2009 | 91 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 87.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.8 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| PW-DR-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 9/8/2004 | 248 | <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 |
| | 9/23/2004 | 268 | <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 |
| | 10/8/2004 | 249 | <5 | <5 | 5.6 | <5 | <5 | <5 | **213** | <10 | <5 | | 30.8 | <10 | <5 | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 2/25/2009 | 1,848 | 54.4 | <1.0 | **213** | **98.8** | **7.7** | <1.0 | **579** | 7.5 | **11.8** | <1.0 | **400** | 58.3 | <1.0 | <1.0 | **314** | 2.2 | <1.0 | **3.5** | 23.8 | 1.2 | 1.3 | <1.0 | 71.2 | ND |
| PW-SIS1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8/25/2004 | 12,848 | **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 |
| | 3/9/2009 | 9,940 | **473** | 3.7 | **1,990** | **1,310** | **139** | **1.4** | **1,230** | 37.7 | **97.4** | <1.0 | **68.1** | 38.8 | 3.7 | <1.0 | **3,510** | <1.0 | **6.0** | **121** | 3.2 | 49.0 | **263** | **555** | 39.9 | ND |
| W-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/29/1997 | 3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | 3 J | | NA | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 9/27/2000 | ND | <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 | 21 | <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 | 20 | <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 | 86 | <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 | 43 | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | | <5 | <10 | <5 | | <5 | <5 | <5 | **33.7** | <5 | <5 | **9.3** | <10 | <5 | ND |
| | 3/3/2009 | 25 | <1.0 | <1.0 | <1.0 | 3.3 | <1.0 | <1.0 | <2.0 | 7.7 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 | <1.0 | **11.1** | <1.0 | <1.0 | 1.9 | <1.0 | <2.0 | ND |
| W-2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/30/1997 | 87,240 | 30,000 | ND | **12,000** | 11,000 | 960 J | ND | ND | 2,200 J | 410 J | ND | ND | 1,500 J | ND | ND | | ND | 20,000 | 970 J | **1,200** | ND | 1,200 | 5,300 | 500 J | ND |
| DUP-3 (W-2) | 1/28/1997 | 79,260 | 27,000 | ND | **11,000** | 9,500 | 930 J | ND | ND | 2,300 J | 410 J | ND | ND | 1,400 J | ND | ND | | ND | 19,000 | 910 J | **1,200** | ND | 1,100 | 4,300 | 210 J | ND |
| W-4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/6/1997 | 1,624 | 47.0 | ND | **640** | **86.0** | **23 J** | ND | ND | 6 J | **30.0** | | 8 J | 35 J | ND | | NA | 7 J | ND | ND | 7 J | ND | ND | **280** | 5 J | 450 |
| | 9/27/2000 | 525 | 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 | 49 | <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 | 18 | <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 | 694 | 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 | 3,157 | 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 |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| W-4A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/28/1997 | 75,370 | 13,000 | ND | 11,000 | 5,700 | 540 | ND | ND | ND | 890 J | | ND | ND | ND | | NA | ND | 39,000 | ND | 1,300 | ND | ND | 2,600 | 280 J | 1,060 |
| | 9/27/2000 | 15,940 | 380 | <5 | 4,300 | 1,500 | 160 | <5 | 2,100 | NA | 230 | | 67 | 50 | <5 | | 4,500 | 12.0 | 1,300 | 38.0 | 57.0 | 260 | 42.0 | 870 | 66.0 | 8.3 |
| | 9/10/2001 | 37,215 | 619 | <5 | 10,400 | 3,560 | 316 | <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 | 13.1 |
| | 9/17/2002 | 31,439 | 515 | <5 | 9,120 | 2,490 | 207 | <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 |
| | 9/17/2003 | 5,351 | 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 |
| | 8/17/2004 | 19,357 | <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 |
| | 2/27/2009 | 6,307 | 73.4 | <1.0 | 1,240 | 541 | 57.9 | <1.0 | 942 | 13.4 | 98.4 | <1.0 | 67.4 | 163 | <1.0 | 3.3 | 2,260 | 7.3 | 78.8 | 8.3 | 11.3 | 6.5 | 12.0 | 686 | 36.8 | ND |
| | 3/31/2010 | 10,920 | 401 | <1.0 | 1,880 | 995 | 73.6 | 1.19 | 1,010 | 32.7 | 129.0 | <1.0 | 91.9 | 238 | <1.0 | 1.98 | 3,590 | 16.1 | 918.0 | 43.5 | 72.5 | 6.26 | 88.9 | 1,330 | ND | ND |
| | 11/2/2011 | 41,390 | 216 | <50 | 5,340 | 3,750 | 363.0 | <50 | 520 | <500 | 861.0 | <50 | 469.0 | 7,290 | <50 | <50 | 10,300 | <50 | 1,130.0 | <50 | 307.0 | <50 | 83.0 | 11,000 | 281.0 | ND |
| | 11/19/2012 | 4,144 | 28.7 | <0.5 | 335 | 296 | 21.9 | <0.5 | 1,600 | <5 | 65.3 | 3.77 | 30.0 | 241 | <0.5 | 0.95 | 693 | 3.28 | 155.0 | 1.48 | 16.0 | 2.87 | 4.27 | 622 | 20.11 | 3.74 |
| | 12/17/2013 | 59,696 | 513.0 | <50 | 7,580 | 3,260 | 318.0 | <50 | 1,270 | <500 | 843.0 | <50 | 332.0 | 6,790 | <50 | <50 | 14,400 | <50 | 15,300.0 | <50 | 249.0 | <50 | <50 | 8,580 | 261.00 | ND |
| W-4B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/4/1997 | 117,470 | 20,000 | ND | 13,000 | 8,700 | 810 J | ND | ND | 4,500 J | 1,200 J | ND | ND | ND | ND | ND | | ND | 61,000 | 550 J | 2,800 | ND | ND | 4,200 | 710 J | ND |
| W-5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8/7/1996 | 467,000 | 110,000 | ND | 27,000 | 21,000 | ND | ND | | 19,000 | 2,100 J | | 1,700 | 9,400 J | ND | | ND | ND | 140,000 | 6,900 | 13,000 | ND | ND | 36,000 | 3,900 J | 77,000 |
| | 2/24/1997 | 415,300 | 98,000 | ND | 26,000 | 19,000 | 2,000 | ND | ND | 34,000 | 2,200 J | | 1,800 | 9,100 J | ND | | ND | 1,100 J | 130,000 | 5,600 | 15,000 | ND | 24,000 | 33,000 | 5,200 | 9,300 |
| | 10/30/2000 | 402,208 | 95,000 | 91.0 | 22,000 | 31,000 | 1,100 | 17.0 | 24,000 | NA | 1,000 | | 1,200 | 2,200 | 190 | | 72,000 | 760 | 100,000 | 3,500 | 8,900 | 340 | 11,000 | 25,000 | 2,540 | 370 |
| | 9/10/2001 | 378,680 | 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 | 672,790 | 121,000 | <5,000 | 45,400 | 122,000 | <5,000 | <5,000 | 14,300 | <10,000 | 7,780 | | 11,100 | <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 | 367,940 | 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 | 375,700 | 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 |
| | 3/3/2009 | 170,238 | 66,700 | 75.8 | 3,720 | 15,500 | 289 | <50.0X | 1,860 | 1,380 | 1,420 | <50.0X | 1,000 | 111 | 121 | <50.0X | 30,800 | <50.0X | 10,900 | 3,700 | 3,400 | 70.0 | 25,900 | 1,040 | 1,940 | 311.0 |
| W-6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/5/1997 | 123,360 | 23,000 | ND | 14,000 | 8,500 | 20,000 | ND | ND | 3,400 J | ND | ND | 15,000 | ND | ND | ND | ND | 260 J | 19,000 | 2,700 | 3,000 | ND | 2,400 | 5,100 | 1,400 | 2,800 |
| DUP-1 (W-6) | 8/7/1996 | 143,900 | 27,000 | ND | 16,000 | 10,000 | 23,000 | ND | | 2,800 | ND | ND | 18,000 | ND | ND | ND | ND | ND | 21,000 | 6,200 | 3,300 | ND | 4,000 | 6,500 | 1,600 | 4,500 |
| W-6A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/5/1997 | 739,000 | 10,000 | ND | 65,000 | 16,000 | 48,000 | ND | ND | 150,000 | ND | | 21,000 | ND | ND | | ND | ND | 310,000 | 3,200 J | 12,000 | ND | ND | 6,800 J | ND | 97,000 |
| | 9/28/2000 | 838,040 | 31,000 | 280 | 69,000 | 24,000 | 71,000 | <5 | 81,000 | | <5 | | 17,000 | 940 | 160 | | 100,000 | 550 | 410,000 | 3,200 | 14,000 | 660 | 3,100 | 9,900 | 1,950 | 300 |
| W-6B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/5/1997 | 238,400 | 59,000 | ND | 23,000 | 14,000 | 19,000 | ND | ND | 14,000 | ND | ND | 18,000 | ND | ND | ND | | ND | 55,000 | 4,700 | 5,700 | ND | 11,000 | 1,000 J | 1,000 J | 13,000 |
| W-13A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/31/1997 | 1,688 | 66.0 | ND | 230 | 110 | 6 J | ND | 990 | 120 | ND | ND | ND | 5 J | ND | ND | | ND | 27.0 | 90 | ND | ND | 30 | 14 J | ND | ND |
| W-18 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/3/1997 | 6,781 | 500 | ND | 820 | 930 | 960 | ND | ND | ND | ND | ND | ND | ND | 71 J | ND | | ND | 610 | 1,500 | ND | ND | 930 | 460 | ND | ND |
| | 3/5/2009 | 9,932 | 60.0 | 3 | 741 | 396 | 17.4 | <1.0 | 1,350 | 19.5 | 9.9 | 7.2 | 4.4 | 11.7 | 77.9 | <1.0 | 4,050 | <1.0 | 7.2 | 490 | <1.0 | 13.5 | 1,850 | 819 | 3.8 | ND |
| W-20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/31/1997 | 19.0 | 4 J | ND | 4 J | 4 J | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | 5 | ND | ND | 2 J | ND | ND | ND |
| W-21 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/31/1997 | 1,232 | 340 | ND | 130 | 210 | 110 | ND | 240 J | ND | ND | | ND | 18 J | 3 J | | ND | ND | 3 J | 47.0 | ND | ND | 54.0 | 77.0 | ND | ND |
| | 9/28/2000 | 1,494 | 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 | 1,336 | 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 | 1,775 | 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 | 1,890 | 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 | 1,761 | 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 |
| | 9/24/2009 | 3,701 | 313 | 1.2 | 518 | 390 | 38.9 | <1.0 | 678 | 16.0 | 12.6 | <1.0 | 9.8 | 4.9 | 5.3 | <1.0 | 1,210 | <1.0 | <1.0 | 108 | <1.0 | 3.3 | 170 | 222 | <2.0 | ND |

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

| Sample I.D. | Sample Date | Total VOCs | 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 | Carbon Tetrachloride | Chlorobenzene | Chloroethane | Chloroform | Chloromethane | cis-1,2-Dichloroethene | Ethylbenzene | Methylene Chloride | Tetrachloroethene | Toluene | trans-1,2-Dichloroethene | Trichloroethene | Vinyl Chloride | Xylenes (total) | Other VOCs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NC 2L Standard | | NE | 200 | - | 6 | 7 | 0.4 | 0.6 | 3 | 6000 | 1 | 0.3 | 50 | 3,000 | 70 | 3 | 70 | 600 | 5 | 0.7 | 600 | 100 | 3 | 0.03 | 500 | - |
| W-23A | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/30/1997 | 4,600 | ND | ND | ND | ND | ND | ND | ND | 4,600 | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 7/17/1998 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 3/4/2009 | 115 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **106** | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.4 | <1.0 | <1.0 | **3.1** | <1.0 | <1.0 | 2.6 | <1.0 | <2.0 | ND |
| W-23B | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/22/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| W-24 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1/31/1997 | 2,109 | 200 | ND | **190** | **330** | ND | ND | ND | ND | ND | ND | ND | ND | 11 J | ND | | ND | **54** | **440** | ND | ND | **710** | **160** | 14 J | ND |
| DUP-2 (W-24 | 1/31/1997 | 1,921 | 180 | ND | **180** | **310** | ND | ND | ND | ND | ND | ND | ND | ND | 10 J | ND | | ND | **49** | **400** | ND | ND | **630** | **150** | 12 J | ND |
| | 7/16/1998 | 1,943 | ND | 100 J | **160** | **240 D** | ND | ND | ND | ND | **3 J** | ND | ND | ND | 8 | ND | | ND | **12** | **520 D** | ND | ND | **690 D** | **190** | 20.0 | ND |
| W-25 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8/7/1996 | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | | ND | ND | ND | ND |
| | 1/27/1997 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| W-29 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2/5/1997 | 1,688,000 | **120,000** | ND | **7,400 J** | **29,000** | **580,000** | ND | ND | **240,000** | ND | ND | **49,000** | ND | ND | ND | | ND | **290,000** | **13,000 J** | **10,000 J** | ND | **150,000** | ND | ND | 230,000 |
| BD-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/29/2010 | 235 | <1.0 | <1.0 | **14.7** | <1.0 | <1.0 | <5.0 | **208** | <5.0 | <1.0 | <1.0 | **1.74** | 2.28 | <1.0 | <1.0 | **5.72** | <1.0 | 1.48 | <1.0 | <1.0 | <1.0 | <1.0 | **1.34** | ND | ND |
| DUP-02 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/31/2010 | 148 | <1.0 | <1.0 | **31.0** | **1.60** | **3.45** | <1.0 | **28.6** | <5.0 | <1.0 | <1.0 | **35.4** | 9.90 | <1.0 | <1.0 | **24.1** | <1.0 | 2.00 | **1.55** | **<1.0** | <1.0 | 2.87 | **7.67** | ND | ND |
| LCHT-COMP | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3/30/2010 | 904 | <2.0 | <2.0 | **82.2** | **34.4** | **8.87** | <2.0 | **416** | **32.4** | 8.00 | <2.0 | **136** | 24.7 | <2.0 | <2.0 | **95.8** | 2.60 | **5.09** | <2.0 | **6.24** | <2.0 | **6.69** | **44.9** | ND | ND |
| PW-SF1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4/2/2010 | 11,985 | <2.0 | <2.0 | **114** | <2.0 | <2.0 | <2.0 | **8,410** | 247 | **20** | <2.0 | **1,190** | 1,340 | <2.0 | <2.0 | 2.4 | 11 | **175** | <2.0 | 447 | 4 | <2.0 | **25** | ND | ND |
| | 11/3/2011 | 34,627 | **1,840** | 32.6 | **2,990** | **3,670** | **1,240** | <5 | **1,300** | 57.2 | **32.5** | <5 | **1,450** | 1,580 | **250** | <5 | **13,100** | <5 | **251** | **211** | **1,070** | 23.3 | **1,410** | **3,920** | 54.0 | 145.7 |
| | 11/20/2012 | 8,577 | 136 | <50 | **480** | 5.7 | **135** | <50 | **4,310** | <500 | <50 | <50 | **298** | <50 | <50 | <50 | **2,230** | <50 | <50 | <50 | 110 | <50 | **123** | **749** | <50 | ND |
| | 12/9/2013 | 46,400 | **1,250** | <50 | **3,700** | **6,190.0** | **1,060** | <50 | **3,940** | <500 | <50 | <50 | **1,710** | 1,130 | **276** | | **19,900** | <50 | <50 | <50 | **700** | <50 | **1,470** | **4,920** | <100 | 154.0 |
| EB-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4/2/2010 | 19 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | **15.5** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.15 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| FB-1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4/2/2010 | 25 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | **21.4** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 3.55 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | ND |
| Crutchfield (potable well) | 12/1/1998[1] | ND | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA | <2.0 | <0.5 | <0.5 | <0.5 | <2.0 | <0.5 | <2.0 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | NA | <0.5 | ND |
| | 3/11/2009 | 2.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 2.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 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*
*1 - Sample collected and analyzed by North Carolina Division of Waste Management*

*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 3*
## *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) | Chloromethane (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)** | | **2500** | **6700** | **330** | **0.38** | **3.1** | **2000** | **1.19** | **130** | **12** | **NE** | **330** | **4.6** | **0.7** | **11** | **140** | **2.5** | **0.025** | **670** | **20,000** |
| **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 | ND |
| | 11/2/2000 | <5 | <5 | <5 | <5 | <100 | NA | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/14/2001 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/02 | Dry | -- | -- | -- | -- | -- | -- | -- | -- | ND | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/16/2003 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/23/2004 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | Dry | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 8/29/2006 | Dry | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 9/27/2007 | Dry | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/13/2009 | Dry | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 12/13/2013 | Dry | | | | | | | | | | | | | | | | | | |
| SW-2 | 4/30/1997 | ND | ND | ND | ND | ND | ND | **3J** | 8 | ND | 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 | ND |
| | 11/2/2000 | <5 | <5 | <5 | <5 | **420** | NA | <5 | 10 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/14/2001 | <5 | <5 | <5 | <5 | **353** | <10 | <5 | 7.6 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | **258** | <10 | <5 | 7.7 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | **293** | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/15/2003 | <5 | <5 | <5 | <5 | **305** | <10 | <5 | 9.6 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/16/2004 | <5 | <5 | <5 | <5 | **233** | <10 | <5 | 8.7 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | <5 | <5 | <5 | <5 | **64** | 14.7 | <5 | 6.2 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/29/2006 | <1 | <1 | <1 | <1 | **218** | <5 | <1 | 9.1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| Split (8270) | 8/29/2006 | NA | NA | NA | NA | **390** | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/27/2007 | <1 | <1 | <1 | <1 | **176** | <5 | <1 | 9.4 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 5/13/2009 | <1 | <1 | <1 | ,1 | **17.1** | 7.1 | <1 | 3.8 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| | 11/3/2011 | <0.5 | <0.5 | <0.5 | <0.5 | **6.2** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| | 11/20/2012 | Dry | | | | | | | | | | | | | | | | | | |
| | 12/13/2013 | Dry | | | | | | | | | | | | | | | | | | |
| **Southern Intermittent Stream** | | | | | | | | | | | | | | | | | | | | |
| SW-3 | 4/30/1997 | 66 | 73 | 33 | **6** | ND | ND | **3J** | ND | 5J | ND | ND | **110** | **4J** | 4J | ND | 2J | **19** | ND | ND |
| | 7/15/1998 | ND | 5 | ND | ND | NA | ND | 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 | ND | 45 | **10** | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/14/2001 | <5 | <5 | <5 | <5 | **281** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | 14.6 | 5.1 | <5 | **69.7** | <10 | <5 | <5 | <10 | ND | 17.0 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | **151** | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/16/2003 | 13 | 42.4 | 16.8 | <5 | **202** | <10 | <5 | <5 | <10 | ND | 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** | ND | 6.9 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/25/2004 | <5 | 31.7 | 9 | <5 | **115** | <10 | <5 | <5 | <10 | ND | 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 | ND | 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 | ND | 88.6 | **5.2** | **1.1** | <1 | <1 | 1.7 | **7.4** | <2 | ND |
| | 9/27/2007 | Dry | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| | 5/13/2009 | 32.3 | 84.1 | 52.4 | **4.1** | **144** | 10.2 | **2.5** | 1.4 | 10.5 | <1 | 178 | **7.6** | **2.1** | <1.0 | <1.0 | **7.8** | **28.5** | <1 | <5 |
| | 4/1/2010 | 21.7 | 52.6 | 36.6 | <1.0 | **66.9** | 8.01 | **1.69** | 1.01 | 11.2 | <1.0 | 127 | **51** | **1.32** | <1.0 | <1.0 | **5.58** | **23.7** | ND | <5.0 |
| | 11/3/2011 | 20.6 | 37.3 | 24 | **1.58** | **38** | <5 | <0.5 | <0.5 | **19.9** | <0.5 | 76.5 | **4.79** | <0.5 | <0.5 | <0.5 | **10.6** | **25** | <0.5 | <5 |
| | 11/20/2012 | 27.1 | 50.7 | 29.3 | <0.5 | **115** | <5 | <0.5 | 0.62 | **19** | <0.5 | 105 | **1.31** | 2.62 | <0.5 | 0.58 | **14** | **23.2** | <0.5 | <5 |
| | 12/11/2013 | 28.7 | 26.6 | 33.2 | **0.74** | **10** | <5 | **1.83** | 0.73 | **10.4** | <0.5 | 85.1 | **<0.5** | **1.4** | <0.5 | 0.75 | **14.6** | **18.8** | <0.5 | <5 |
| 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/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 | ND |
| | 11/2/2000 | <5 | <5 | <5 | <5 | **1100 B** | NA | <5 | 48 | 34 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/14/2001 | <5 | <5 | <5 | <5 | **806** | <10 | <5 | 16.5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | **480** | <10 | <5 | 19.3 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | **448** | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/15/2003 | <5 | 7.7 | <5 | <5 | **118** | 11 | <5 | 12.2 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/25/2004 | <5 | <5 | <5 | <5 | **592** | <10 | <5 | 38.0 | **18.2** | ND | <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 | ND | 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 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| Split (8270) | 8/29/2006 | NA | NA | NA | NA | **1200** | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/27/2007 | <1 | <1 | <1 | <1 | **24.1** | <5 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 5/13/2009 | <1 | <1 | <1 | <1 | **8.4** | 8.4 | <1 | <1 | <1 | 1.7 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <5 |
| | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| | 11/3/2011 | 72 | 443 | 126 | **32.6** | **110** | 10.6 | **14.2** | **358** | **141** | <0.5 | **440** | 1.21 | **3.24** | 0.74 | <0.5 | **13.5** | **371** | 4.93 | <5 |
| | 11/20/2012 | <0.5 | 2.1 | <0.5 | <0.5 | **22.7** | <5 | <0.5 | **5.9** | <0.5 | <0.5 | **1.56** | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| | 12/13/2013 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |

# *TABLE 3*
## *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) | Chloromethane (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)** | | **2500** | **6700** | **330** | **0.38** | **3.1** | **2000** | **1.19** | **130** | **12** | **NE** | **330** | **4.6** | **0.7** | **11** | **140** | **2.5** | **0.025** | **670** | **20,000** |
| SW-5 | 4/30/1997 | ND | ND | ND | ND | ND | 8J | 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 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/14/2001 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/16/2003 | <5 | <5 | <5 | <5 | **12.4** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/25/2004 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/29/2006 | <1 | <1 | <1 | <1 | <2 | 51.7 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 9/27/2007 | <1 | <1 | <1 | <1 | <2 | <5 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 5/13/2009 | 8.7 | 8.6 | 6.4 | <1 | **25.4** | 5.3 | <1 | <1 | <1 | <1 | 39.4 | <1 | **3.3** | <1 | <1 | **9.0** | **8.2** | <1 | <5 |
| | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| | 11/3/2011 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| | 11/20/2012 | <0.5 | <0.5 | <0.5 | <0.5 | **6.97** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| | 12/16/2013 | <0.5 | <0.5 | <0.5 | <0.5 | **13.0** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Randleman Lake** (formerly the 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 | ND |
| | 11/2/2000 | <5 | <5 | <5 | <5 | <100 | NA | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/14/2001 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | **11.5** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/16/2003 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/25/2004 | <5 | <5 | <5 | <5 | **133** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | <5 | <5 | <5 | <5 | **11.4** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/29/2006 | <1 | <1 | <1 | <1 | <2 | <5 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| Split (8270) | 8/29/2006 | NA | NA | NA | NA | <3.3 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/27/2007 | <1 | <1 | <1 | <1 | <2 | <5 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| **Upper** | 2/25/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 2/25/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <5 |
| **Upper** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 8.1 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <5 |
| **Surface** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Bottom** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | **4.02** | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Surface** | 11/3/2011 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| **Surface** | 11/21/2012 | <0.5 | <0.5 | <0.5 | <0.5 | **3.73** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Bottom** | 11/21/2012 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Surface** | 12/13/2013 | <0.5 | <0.5 | <0.5 | <0.5 | **9.29** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| **Bottom** | 12/13/2013 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| SW-7 | 5/2/1997 | ND | 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 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/13/2001 | <5 | <5 | <5 | <5 | **40.5** | <10 | <5 | <5 | **23** | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/15/2003 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/23/2004 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | <5 | <5 | <5 | <5 | <10 | 10.7 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/29/2006 | <1 | <1 | <1 | <1 | **4.3** | <5 | <1 | 2 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 9-27-200 | <1 | <1 | <1 | <1 | **23.2** | 5.0 | <1 | 2 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| **Upper** | 2/25/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 2/25/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 5.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <5 |
| **Upper** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 7.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <5 |
| **Surface** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Bottom** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Surface** | 11/3/2011 | <0.5 | <0.5 | <0.5 | <0.5 | <3.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| **Surface** | 11/21/2012 | <0.5 | <0.5 | 0.88 | <0.5 | **9.10** | <5 | <0.5 | 1.11 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Bottom** | 11/21/2012 | <0.5 | <0.5 | <0.5 | <0.5 | **9.88** | <5 | <0.5 | 0.94 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Surface** | 12/13/2013 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| **Bottom** | 12/13/2013 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |

# *TABLE 3*
## *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) | Chloromethane (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)** | | **2500** | **6700** | **330** | **0.38** | **3.1** | **2000** | **1.19** | **130** | **12** | **NE** | **330** | **4.6** | **0.7** | **11** | **140** | **2.5** | **0.025** | **670** | **20,000** |
| SW-DRP-2 | 11/3/2000 | <5 | <5 | <5 | <5 | <100 | NA | <5 | <5 | <10 | ND | <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 | ND | 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** | ND | 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** | ND | 60.3 | <5 | <5 | <5 | <5 | <5 | **28.1** | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/15/2003 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/23/2004 | <5 | <5 | 7.1 | <5 | **145** | <10 | **5.4** | **189** | **48.6** | ND | <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** | ND | 140 | <5 | <5 | <5 | <5 | <5 | **36.1** | <5 | <10 |
| | 8/29/2006 | <1 | 2 | <1 | <1 | <2 | <5 | <1 | <1 | <1 | ND | 3.1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| Split (8270) | 8/29/2006 | NA | NA | NA | NA | <3 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/27/2007 | <1 | <1 | <1 | <1 | **23.3** | <5 | <1 | 2 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| **Upper** | 2/25/2009 | <1.0 | <1.0 | 3.0 | **1.9** | <2.0 | 8.0 | <1.0 | 1.4 | <1.0 | ND | 7.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 2/25/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 9.2 | <1.0 | <1.0 | <1.0 | ND | <1.0 | <1.0 | <1.0 | 1.4 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 8.6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5 |
| **Upper** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 6.9 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5 |
| **Surface** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Bottom** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Surface** | 11/21/2012 | <0.5 | <0.5 | <0.5 | <0.5 | **7.27** | <5 | <0.5 | 2.75 | <0.5 | <0.5 | 1.19 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Bottom** | 11/21/2012 | <0.5 | 1.86 | 1.4 | <0.5 | **11.4** | <5 | <0.5 | 6.26 | 6.36 | <0.5 | 2.26 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | **2.54** | <0.5 | <0.5 |
| **Surface** | 12/13/2013 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| **Bottom** | 12/13/2013 | <0.5 | <0.5 | <0.5 | <0.5 | <2.0 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 |
| SW-DRP-4 | 11/2/2000 | <5 | <5 | <5 | <5 | <100 | NA | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| EAST | 9/14/2001 | <5 | 9.1 | <5 | <5 | **44** | <10 | <5 | 101 | **51.5** | ND | 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** | ND | 7.4 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/15/2003 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/24/2004 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/29/2006 | <1 | <1 | <1 | <1 | <2 | <5 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 9/27/2007 | <1 | <1 | <1 | <1 | **24.9** | <5 | <1 | <1 | <1 | ND | <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** | ND | 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** | ND | <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** | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | **12.6** | <10 | <5 | 7.2 | 7.5 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/15/2003 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/23/2004 | <5 | <5 | <5 | <5 | **12** | <10 | <5 | 9.1 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <10 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/29/2006 | <1 | <1 | <1 | <1 | **4.1** | <5 | <1 | 2.9 | 1.1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 9/27/2007 | <1 | <1 | <1 | <1 | **22.4** | <5 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| SW-DRP-11 | 11/2/2000 | <5 | <5 | <5 | <5 | <100 | NA | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <10 | ND |
| | 9/13/2001 | <5 | <5 | <5 | <5 | **10.2** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | ND |
| | 9/24/2002 | <5 | <5 | <5 | <5 | **109** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 50 FT UPSTREAM | 11/26/2002 | NA | NA | NA | NA | <10 | NA | NA | NA | NA | ND | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | 9/15/2003 | <5 | <5 | <5 | <5 | **53.5** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/23/2004 | <5 | <5 | <5 | <5 | **20.4** | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 12/20/2005 | <5 | <5 | <5 | <5 | <10 | <10 | <5 | <5 | <10 | ND | <5 | <5 | <5 | <5 | <5 | <5 | <10 | <5 | <10 |
| | 8/29/2006 | <1 | <1 | <1 | <1 | **3.5** | 5.2 | <1 | 1.1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| | 9/27/2007 | <1 | <1 | <1 | <1 | **17.9** | <5 | <1 | <1 | <1 | ND | <1 | <1 | <1 | <1 | <1 | <1 | <1 | <2 | ND |
| **Upper** | 2/25/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 2/25/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | ND | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | ND |
| **Mid** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | 10.4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5 |
| **Upper** | 5/13/2009 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5 |
| **Surface** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Bottom** | 4/1/2010 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 | <5.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | ND | <5.0 |
| **Surface** | 11/21/2012 | <0.5 | <0.5 | <0.5 | <0.5 | **10.2** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Bottom** | 11/21/2012 | <0.5 | <0.5 | <0.5 | <0.5 | **9.93** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Surface** | 12/16/2013 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |
| **Bottom** | 12/16/2013 | <0.5 | <0.5 | <0.5 | <0.5 | **14.4** | <5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5 |

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

*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) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| **Ground Water** | | | | | |
| MRF-1 | 2/24/2009 | 17.0 | 6.06 | | 900 |
| MW-1 | 3/5/2009 | 14.83 | 3.89 | | 194 |
| | 3/31/2010 | 16.54 | 6.56 | | 2840 |
| | 11/2/2011 | 14.2 | 8.2 | 9.73 | 228 |
| | 11/20/2012 | 13.6 | 9.4 | 3.45 | 458 |
| | 12/9/2013 | 13.5 | 12 | 3.61 | 3 |
| MW-2C | 2/24/2009 | 14.36 | 6.59 | | 688 |
| 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 |
| | 2/27/2009 | 15.66 | 6.38 | | 686 |
| | 3/30/2010 | 17.53 | 7.7 | | 2370 |
| | 11/1/2011 | 16.4 | 7.8 | 8.33 | 971 |
| | 11/20/2012 | 14.8 | 7.9 | 2.9 | 648 |
| | 12/11/2013 | 11.1 | 6.9 | 19.5 | 4 |
| MW-5 | 2/24/2009 | 10.5 | 5.15 | | 544 |
| 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 | -- | -- | | -- |
| | 3/3/2009 | 14.63 | 7.49 | | 900 |
| | 3/30/2010 | 17.43 | 6.85 | | 2730 |
| | 11/1/2011 | 17.6 | 8.9 | 7.34 | 40 |
| | 11/19/2012 | 20.6 | 7.3 | 2.94 | 1036 |
| | 12/11/2013 | 11.3 | 6.5 | 11.7 | 113 |
| MW-7B | 3/3/2009 | 16.16 | 5.9 | | 4220 |
| MW-8 | 3/5/2009 | 16.89 | 5.1 | | 990 |
| MW-9 | 9/26/2000 | 14.9 | 5.77 | | 1.17 |
| | 2/26/2009 | 12.42 | 7.95 | | 1840 |
| MW-10 | 9/26/2000 | 15.4 | 6.27 | | 2.51 |
| | 9/6/2001 | 16.0 | 6.33 | | 2480 |
| | 9/19/2002 | 16.1 | 6.67 | | 2740 |
| | 9/16/2003 | 16.98 | 6.69 | | 1940 |
| | 8/17/2004 | 15.97 | 6.44 | | 2200 |
| | 3/6/2009 | 14.87 | 6.23 | | 932 |
| | 3/29/2010 | 16.55 | 8.76 | | 4510 |
| | 11/1/2011 | 16.9 | 7.1 | 9.35 | 1058 |
| | 11/19/2012 | 15.8 | 7.4 | 1.98 | 154 |
| | 12/10/2013 | 12.8 | 6.5 | 7.9 | 302 |

*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) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| 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 | -- | -- | | -- |
| | 3/4/2009 | 14.0 | 6.8 | | 2990 |
| 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 |
| | 3/6/2009 | 12.11 | 4.97 | | 150 |
| | 4/1/2010 | 16.99 | 7.39 | | 6660 |
| | 11/2/2011 | 10.9 | 9.6 | 1.11 | 1601 |
| | 11/19/2012 | 15.8 | 7.7 | 2.78 | 539 |
| | 12/10/2013 | 12.3 | 6.8 | 7.7 | 317 |
| 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 | -- | -- | | -- |
| | 3/4/2009 | 11.9 | 7.82 | | 2990 |
| | 4/9/2010 | 16.59 | 6.24 | | 412 |
| | 11/2/2011 | 16.4 | 9 | 2.72 | 1418 |
| | 11/19/2012 | 15.0 | 7.4 | 2.81 | 39 |
| | 12/10/2013 | 14.8 | 6.4 | 18.5 | 295 |
| 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 |
| | 3/5/2009 | 13.41 | 11.9 | | 208 |
| | 4/1/2010 | 19.58 | 9.63 | | 91100 |
| | 11/2/2011 | 11.2 | 8.4 | 11.46 | 293 |
| | 11/23/2012 | 18.0 | 9.1 | 1.85 | 27 |
| | 12/11/2013 | 12.8 | 7.9 | 18.8 | 379 |
| 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 | -- | -- | | -- |
| | 3/6/2009 | 15.09 | 6.25 | | 427 |
| | 3/31/2010 | 17.72 | 7.74 | | 4940 |
| | 11/2/2011 | 14.7 | 7.8 | 7.84 | 265 |
| | 11/19/2012 | 14.8 | 7.6 | 2.65 | 237 |
| | 12/10/2013 | 14.9 | 6.1 | 6.9 | 873 |
| MW-16 | | | | | |
| MW-17 | 3/5/2009 | 18.74 | 10.03 | | 357 |
| 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 |
| | 2/27/2009 | 16.21 | 9.89 | | 1760 |
| | 3/30/2010 | 17.1 | 8.24 | | 4960 |
| | 11/1/2011 | 17.0 | 8.4 | 6.31 | 1060 |
| | 11/23/2012 | 14.7 | 7.7 | 1.90 | 789 |
| | 12/11/2013 | 13.2 | 8.4 | 2.90 | 837 |

*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) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| OW-DR3 | 9/20/2002 | 16.7 | 6.31 | | 2520 |
| | 8/24/2004 | 17.6 | 6.71 | | 643 |
| | 3/4/2009 | 12.68 | 3.68 | | 2460 |
| | 11/26/2012 | 17.5 | 6.1 | 2.45 | 1713 |
| | 12/10/2013 | 13.7 | 6.3 | 4.11 | 254 |
| OW-DR4 | 9/23/2002 | 17.9 | 6.56 | | 1720 |
| | 8/24/2004 | 17.5 | 6.33 | | 1288 |
| | 2/25/2009 | 17.54 | 6.2 | | 762 |
| OW-LFS1 | 2/26/2009 | 15.19 | 5.99 | | 3730 |
| OW-LFS2 | 2/26/2009 | 14.5 | 5.41 | | 3100 |
| | 3/30/2010 | 17.26 | 8.17 | | 9990 |
| | 11/1/2011 | 16.9 | 7.7 | 6.24 | 141 |
| | 11/19/2012 | 17.4 | 7.6 | 2.68 | 367 |
| | 12/11/2013 | 12.2 | 6.4 | 8.4 | 668 |
| OW-NIS1 | 3/10/2009 | 20.32 | 4.36 | | 2650 |
| OW-SF1 | 3/9/2009 | 17.98 | 3.76 | | 802 |
| OW-SIS1 | 8/17/2004 | 16.2 | 5.84 | | 656.4 |
| | 3/9/2009 | 18.01 | 4.19 | | 579 |
| OW-SIS2 | 2/24/2009 | 16.01 | 6.07 | | 155 |
| OW-SIS3 | 3/4/2009 | 13.6 | 5.96 | | 392 |
| PW-2D | 3/3/2009 | 15.23 | 7.76 | | 1930 |
| PW-3D | 11/27/2012 | 9.3 | 10.0 | 5.04 | 375 |
| | 12/17/2013 | 8.6 | 12.7 | 18.7 | 128 |
| 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 |
| | 3/5/2009 | 17.49 | 4.37 | | 2160 |
| | 4/2/2010 | 16.6 | 7.58 | | 1860 |
| | 11/2/2011 | 24.4 | 8.0 | 0.2 | 1017 |
| | 11/20/2012 | 18.9 | 7.2 | 1.95 | 920 |
| | 12/17/2013 | 12.1 | 6.7 | 19.6 | 807 |
| 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 |
| | 3/27/2009 | 16.27 | 6.28 | | 797 |
| | 3/30/2010 | 17.21 | 8.39 | | 1690 |
| | 11/3/2011 | 17.3 | 8.4 | 8.26 | 1044 |
| | 11/23/2012 | 15.8 | 8.2 | 1.85 | 790 |
| | 12/16/2013 | 10.4 | 6.8 | 18.3 | 995 |
| 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 |
| | 3/18/2009 | 16.7 | 7.31 | | 363 |
| | 3/31/2010 | 17.35 | 7.39 | | 408 |

*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) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| 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 |
| | 3/4/2009 | 13.54 | 6.18 | | 404 |
| | 3/31/2010 | 17.94 | 5.95 | | 1020 |
| 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 |
| | 3/4/2009 | 13.75 | 5.17 | | 3010 |
| 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 |
| | 3/3/2009 | 14.11 | 9.69 | | 1670 |
| PW-9I | 9/27/2000 | 19.2 | 7.04 | | 1860 |
| | 3/12/2009 | 18.98 | 5.4 | | 1410 |
| 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 |
| | 3/29/2010 | 18.07 | 9.93 | | 920 |
| | 11/1/2011 | 19.3 | 7.7 | 6.76 | 53 |
| | 11/21/2012 | 14.3 | 12.8 | 4.74 | 103 |
| | 12/11/2013 | 13.3 | 12 | 4.6 | 120 |
| PW-10I | 9/26/2000 | 16.7 | 6.10 | | 787 |
| | 9/11/2001 | 15.6 | 6.20 | | 1080 |
| | 9/18/2002 | 16 | 6.43 | | 1210 |
| | 8/17/2004 | 15.9 | 6.25 | | 1192 |
| | 3/12/2009 | 16.5 | 3.68 | | 2110 |
| | 3/29/2010 | 15.6 | 7.73 | | 3960 |
| | 11/1/2011 | 17.4 | 7.9 | 6.11 | 1123 |
| | 11/19/2012 | 15.0 | 7.3 | 1.91 | 1693 |
| | 12/11/2013 | 11.9 | 6.5 | 7.2 | 973 |
| 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 |
| | 3/5/2009 | 16.1 | 5.17 | | 929 |
| 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 |
| | 3/3/2009 | 13.92 | 6.12 | | 752 |
| | 3/31/2010 | 16.98 | 6.35 | | 634 |
| | 11/2/2011 | 21.3 | 8.9 | 1.47 | 47 |
| | 11/20/2012 | 16.3 | 8.1 | 3.4 | 152 |
| | 12/17/2013 | 11.8 | 7.0 | 8.8 | 160 |

*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) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| 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 |
| | 3/4/2009 | 16.53 | 6.66 | | 483 |
| | 3/31/2010 | 18.53 | 8.12 | | 1640 |
| | 11/3/2011 | 12.1 | 9.5 | 6.32 | 780 |
| | 11/23/2012 | 19.2 | 8.4 | 1.65 | 1323 |
| | 12/16/2013 | 13.1 | 6.8 | 8.7 | 319 |
| 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 |
| | 3/11/2009 | 18.9 | 9.69 | | 6400 |
| | 3/31/2010 | 16.01 | 11.99 | | 6640 |
| | 11/7/2011 | 14.8 | 9.6 | 7.5 | 1253 |
| | 11/27/2012 | 13.3 | 12.7 | 2.8 | 1776 |
| | 12/12/2013 | 9.5 | 7.0 | 2.6 | 629 |
| 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 |
| | 3/10/2009 | 15.71 | 4.04 | | 68 |
| 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 |
| | 3/11/2009 | 19.01 | 3.96 | | 79 |
| | 3/30/2010 | 15.85 | 6.24 | | 1950 |
| | 11/7/2011 | 11.1 | 6.3 | 8.05 | 95 |
| | 11/26/2012 | 17.3 | 6.3 | 1.14 | 1204 |
| | 12/12/2013 | 9.4 | 6.9 | 7.0 | 727 |
| 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 |
| | 3/11/2009 | 17.64 | 4.46 | | 432 |
| 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 |
| | 3/11/2009 | 19.07 | 3.76 | | 633 |
| | 3/30/2010 | 15.39 | 6.62 | | 1280 |
| | 11/7/2011 | 16.8 | 8.2 | 6.14 | 460 |
| | 11/26/2012 | 19.8 | 6.8 | 1.61 | 926 |
| | 12/12/2013 | 8.4 | 7.8 | 9.7 | 365 |
| 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 |

*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) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| 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 |
| | 3/5/2009 | 15.93 | 7.37 | | 242 |
| 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 |
| | 3/11/2009 | 20.34 | 8.68 | | 1310 |
| | 3/31/2010 | 17.66 | 12.19 | | 12200 |
| | 11/8/2011 | 7.7 | 6.1 | 9.56 | 954 |
| | 11/26/2012 | 15.1 | 12.0 | 3.12 | 393 |
| | 12/12/2013 | 10.6 | 12.5 | 8.7 | 66 |
| 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 |
| | 3/10/2009 | 17.14 | 9.17 | | 299 |
| PW-DR1 | 2/25/2009 | 13.61 | 6.20 | | 1950 |
| PW-SIS1 | 8/19/2004 | 15.66 | 6.8 | | 536 |
| | 3/9/2009 | 17.19 | 5.76 | | 210 |
| PW-SF1 | 4/2/2010 | 17.56 | 8.76 | | 3960 |
| | 11/3/2011 | 18.6 | 8.7 | 3.44 | 896 |
| | 11/20/2012 | 14.9 | 7.6 | 1.8 | 147 |
| | 12/9/2013 | 14.9 | 6.8 | 11.3 | 39 |
| RW-LFS1 | 2/26/2009 | 14.78 | 5.97 | | 3010 |
| RW-LFS2 | 2/26/2009 | 15.67 | 6.16 | | 2460 |
| RW-NIS1 | 3/6/2009 | 15.01 | 5.1 | | 3190 |
| RW-SIS2 | 3/9/2009 | 17.69 | 3.81 | | 160 |
| RW-SIS3 | 3/4/2009 | 15.58 | 5.96 | | 681 |
| RW-SIS4 | 3/4/2009 | 12.71 | 6.09 | | 97 |
| RW-SIS5 | 3/4/2009 | 12.53 | 6.65 | | 425 |
| RW-SIS6 | 3/4/2009 | 15.24 | 6.3 | | 322 |
| 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 |
| | 3/3/2009 | 16.39 | 6.90 | | 484 |
| 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 |

*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) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| 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 |
| | 2/27/2009 | 18.55 | 6.23 | | 223 |
| | 3/31/2010 | 15.6 | 7.58 | | 52100 |
| | 11/2/2011 | 14.7 | 9.0 | 0.98 | 695 |
| | 11/19/2012 | 14.5 | 7.6 | 3.35 | 32 |
| | 12/17/2013 | 10.8 | 6.5 | 9.50 | 546 |
| 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 | -- | -- | | -- |
| | 3/3/2009 | 14.07 | 6.28 | | 556 |
| W-6A | 9/28/2000 | 17.1 | 5.94 | | 4950 |
| W-18 | 3/5/2009 | 14.63 | 6.07 | | 361 |
| | | | | | |
| 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 |
| | 2/24/2009 | 13.36 | 6.63 | | 900 |
| W-23A | 3/4/2009 | 11.84 | 6.41 | | 426 |
| W-24 | 3/5/2009 | | | | |
| **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 |
| | 4/1/2010 | 15.31 | 7.52 | | 103 |
| | 11/3/2011 | 14.3 | 8.4 | | 378 |
| | 11/20/2012 | Dry | | | |
| | 12/11/2013 | Dry | | | |

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

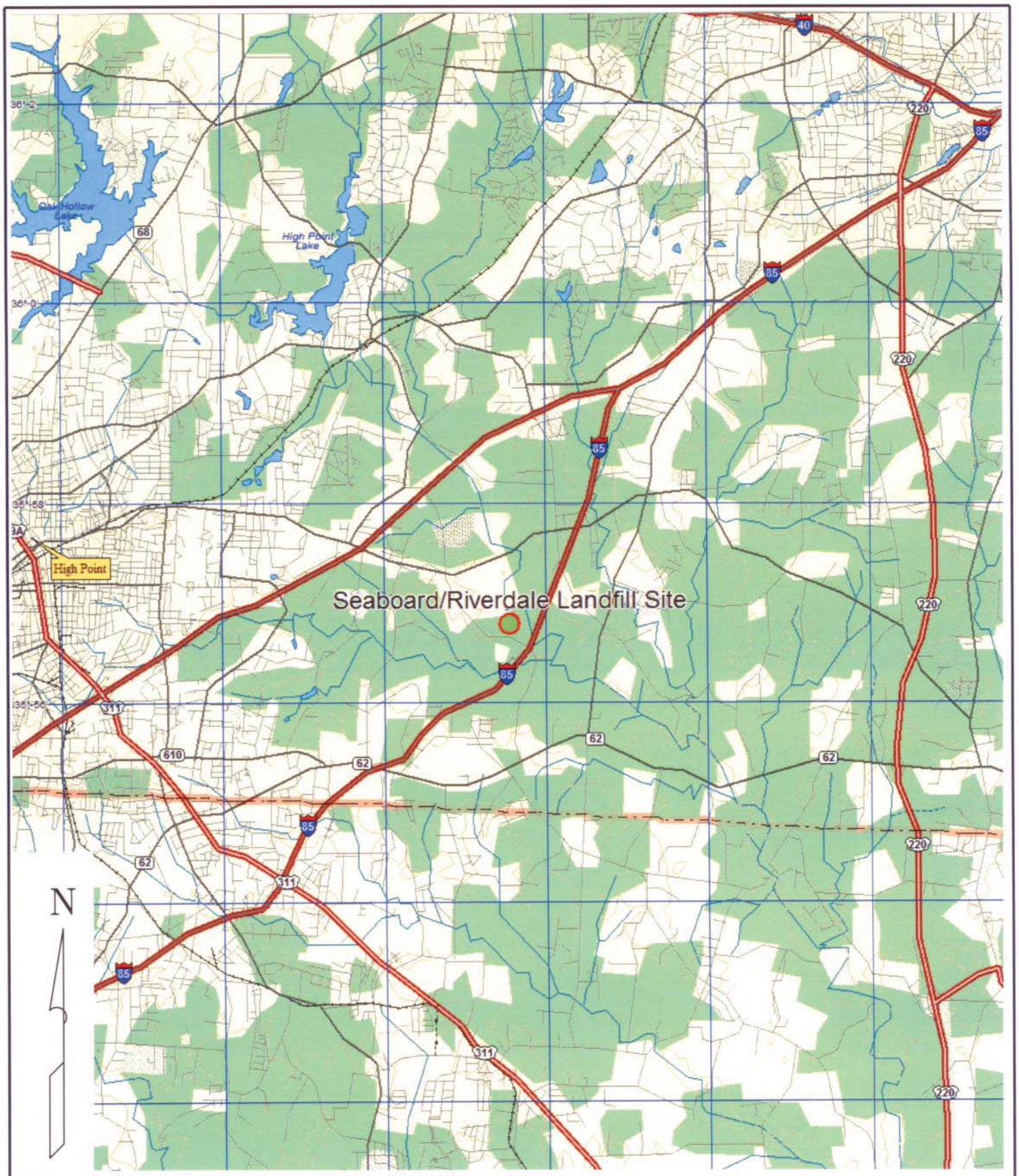
| Sample Identification | Date | Temperature (degrees Celsius) | pH (Std. Units) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| SW-3 | 11/2/2000 | 11.02 | 7.95 | | 359 |
| | 9/14/2001 | 20.1 | 7.27 | | 199 |
| | 9/24/2002 | 19.3 | 6.70 | | 3450 |
| | 9/16/2003 | 19.73 | 7.26 | | 244 |
| | 8/25/2004 | 23.06 | 8.14 | | 133 |
| | 8/22/2006 | 23.16 | 7.48 | | 480 |
| | 4/1/2010 | 15.64 | 7.61 | | 6850 |
| | 11/3/2011 | 10.6 | 8.9 | 11.06 | 261 |
| | 11/20/2012 | 11.1 | 9.1 | 6.04 | 35 |
| | 12/11/2013 | 5.5 | 9.0 | 1.61 | 144 |
| 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 |
| | 4/1/2010 | 14.89 | 7.68 | | 102 |
| | 11/3/2011 | 14.5 | 7.7 | 6.1 | 671 |
| | 11/20/2012 | 11.5 | 9.1 | 5.64 | 22 |
| | 12/13/2013 | 4.2 | 8.8 | 9.5 | 1 |
| 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 | 20.6 | 7.00 | | 300 |
| | 8/25/2004 | 21.14 | 7.54 | | 168 |
| | 8/22/2006 | 22.19 | 7.46 | | 540 |
| | 4/1/2010 | 17.06 | 7.37 | | 6760 |
| | 11/3/2011 | 11.9 | 9.6 | 9.85 | 212 |
| | 11/20/2012 | 11.5 | 9.1 | 5.64 | 22 |
| | 12/16/2013 | 8.7 | 8.5 | 9.70 | 78 |
| 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 |
| | 4/1/2010 | 14.33 | 8.29 | | 103 |
| | 11/3/2011 | 14.50 | 10.3 | 6.75 | 326 |
| shallow - 1' | 11/21/2012 | 8.10 | 9.0 | 5.41 | 8 |
| deep - 8.5' | 11/21/2012 | 8.70 | 9.3 | 5.15 | 79 |
| shallow - 1' | 12/13/2013 | 5.20 | 8.2 | 9.8 | 45 |
| deep - 11' | 12/13/2013 | 5.60 | 8.3 | 9.5 | 26 |
| 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 |
| | 4/1/2010 | 13.4 | 7.41 | | 103 |
| | 11/3/2011 | 11.8 | 9.0 | 13.33 | 84 |
| shallow - 1' | 11/21/2012 | 10.5 | 9.1 | 6.37 | 58 |
| deep - 11.5' | 11/21/2012 | 10.7 | 9.0 | 6.82 | 319 |
| shallow - 1' | 12/13/2013 | 6.6 | 8.2 | 9.1 | 18 |
| deep - 13' | 12/13/2013 | 6.4 | 8.2 | 9.6 | 4 |

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

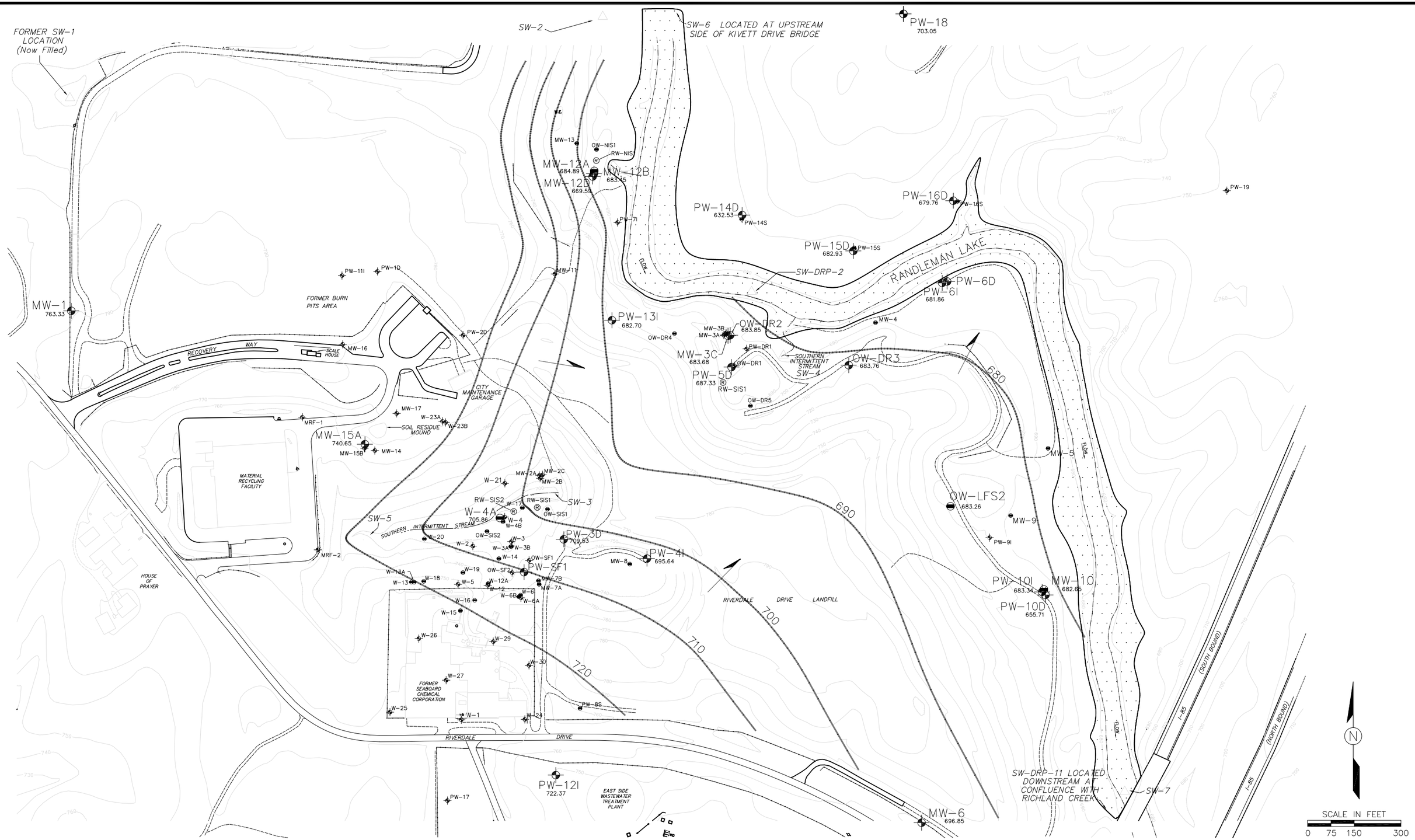
| Sample Identification | Date | Temperature (degrees Celsius) | pH (Std. Units) | Dissolved Oxygen (mg/l) | Conductivity (uS/cm) |
|---|---|---|---|---|---|
| SW-DRP-2 | 11/3/2000 | 13.46 | 6.46 | | 1870 |
| East | 9/14/2001 | 20.3 | 7.00 | | 224 |
| West | 9/14/2001 | 20.5 | 6.92 | | 239 |
| | 9/15/2003 | 23.08 | 7.05 | | 150 |
| | 8/23/2004 | 21.96 | 3.74 | | 386 |
| | 4/1/2010 | 14.12 | 7.79 | | 102 |
| | 11/3/2011 | 11.5 | 8.8 | 10.88 | 140 |
| shallow - 1' | 11/21/2012 | 10.2 | 8.9 | 5.92 | 43 |
| deep - 12.5' | 11/21/2012 | 9.9 | 9.1 | 5.63 | 67 |
| shallow - 1' | 12/13/2013 | 5.8 | 8.2 | 9.4 | 10 |
| deep - 10' | 12/13/2013 | 5.7 | 6.9 | 9.9 | 28 |
| 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 |
| 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 |
| 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 |
| | 4/1/2010 | 14.0 | 7.32 | | 104 |
| | 11/3/2011 | 13.5 | 9.1 | 12.19 | 58 |
| shallow - 1' | 11/21/2012 | 9.2 | 11.0 | 8.22 | 27 |
| deep - 9' | 11/21/2012 | 10.3 | 9.3 | 8.25 | 26 |
| shallow - 1' | 12/16/2013 | 5.6 | 8.5 | 9.7 | 1 |
| deep - 12' | 12/16/2013 | 5.4 | 8.7 | 9.2 | 34 |
| 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*

# FIGURES




| | | | | |
|---|---|---|---|---|
| Babb & Associates, P.A. | TITLE: Site Location Map<br>Seaboard/Riverdale LF Site<br>Jamestown, North Carolina | FIGURE NO: Figure 1 | SCALE: 1"= 8000' | PROJECT NO: |
| | | CHECKED BY: | DRAWN BY: G. Babb | DATE: 2/10/11 |




BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

WELLS TO BE SAMPLED SHOWN IN ENLARGED TYPE

LEGEND

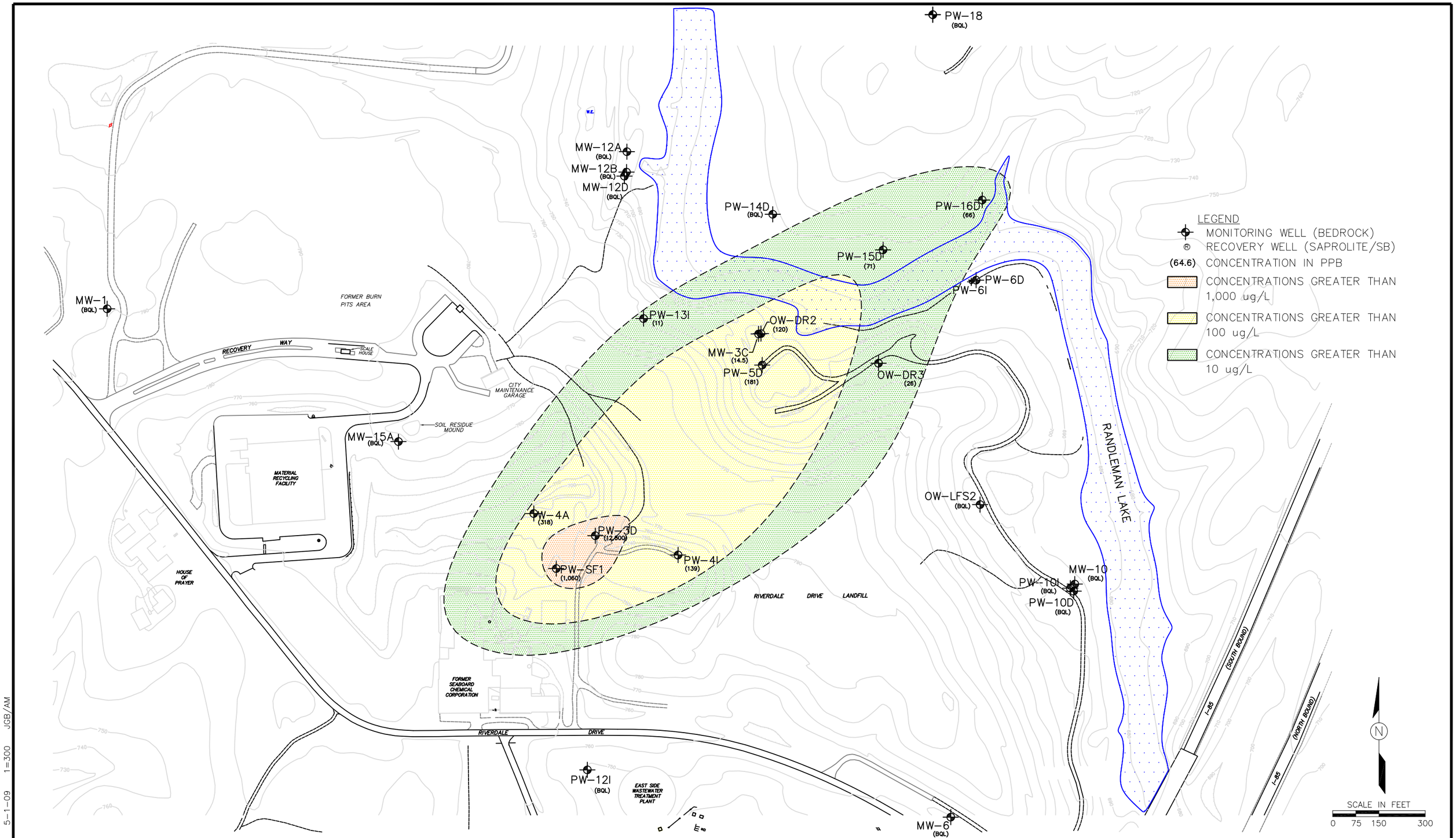
- MONITORING WELL (SAPROLITE/PWR)
- ® RECOVERY WELL (SAPROLITE/SB)

Babb & Associates, P.A.

DECEMBER 2013 GROUNDWATER POTENTIOMETRIC MAP
GROUNDWATER AND SURFACE WATER SAMPLE LOCATIONS
FORMER SEABOARD CHEMICAL/RIVERDALE DRIVE LF
JAMESTOWN, NORTH CAROLINA

FIGURE 2

FIG 5A 2-09.DWG 5-1-09 1=300 JGB/AM




BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

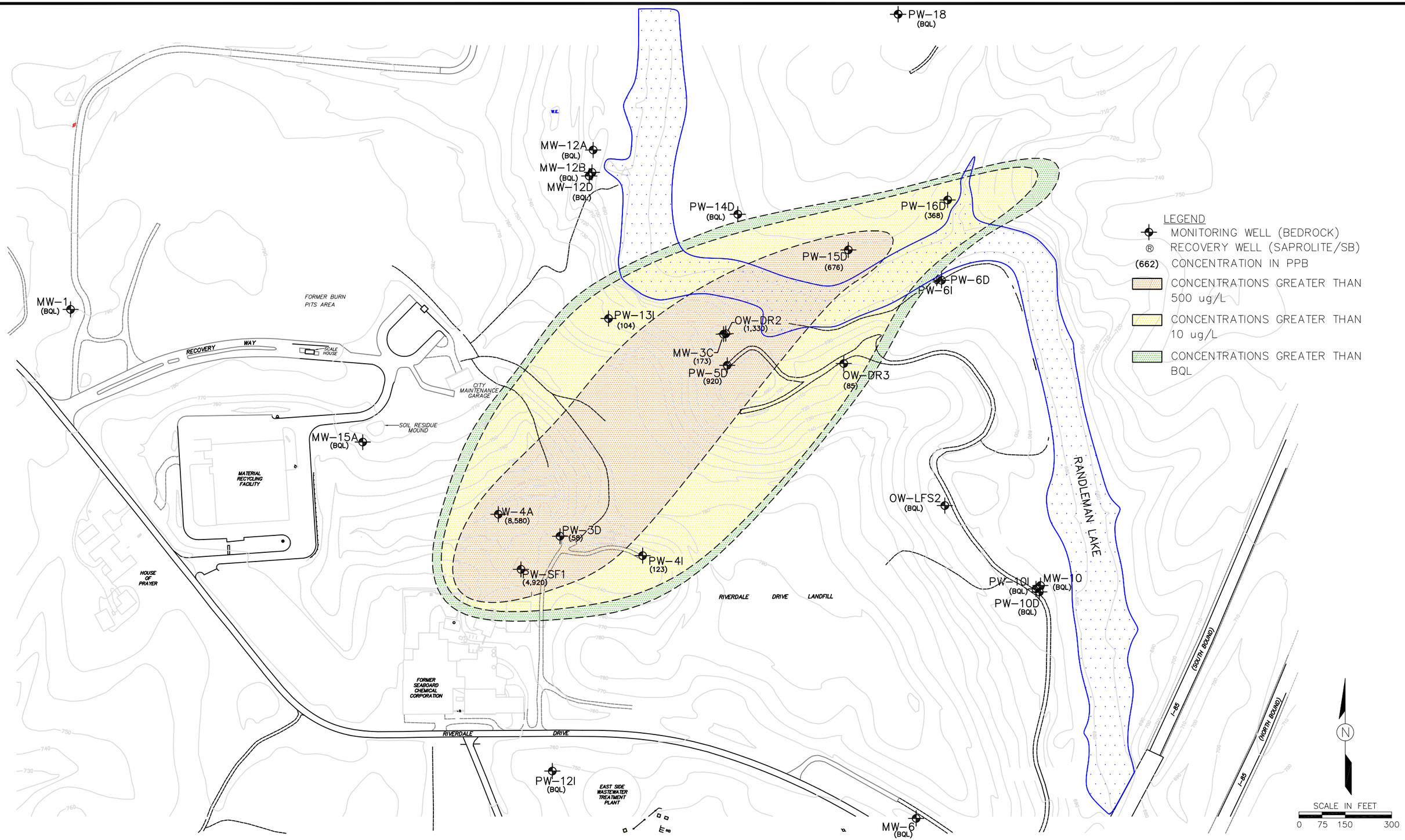
NOTE: WELLS TO BE SAMPLED SHOWN IN ENLARGED TYPE

Babb & Associates, P.A.

GROUND WATER QUALITY–BEDROCK AQUIFER
1,2–DCA – DECEMBER 2013
FORMER SEABOARD CHEMICAL/ RIVERDALE DRIVE LF
JAMESTOWN, NORTH CAROLINA

FIGURE 3

FIG 6A 2-09.DWG 5-1-09 1=300 JGB/AM



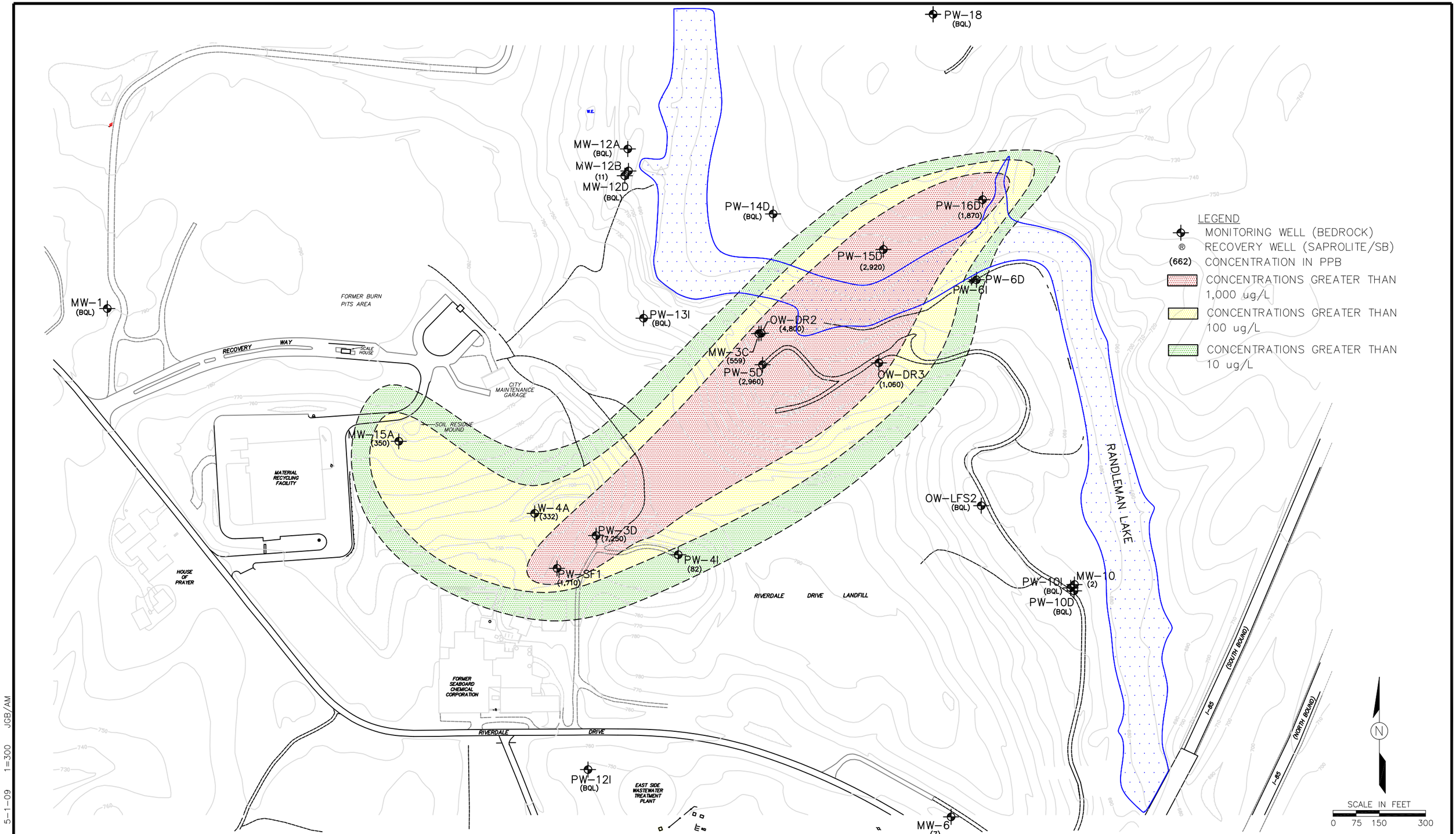

BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

Babb & Associates, P.A.

GROUND WATER QUALITY – BEDROCK AQUIFER
VINYL CHLORIDE–DECEMBER 2013
FORMER SEABOARD CHEMICAL/ RIVERDALE DRIVE LF
JAMESTOWN, NORTH CAROLINA

FIGURE 4

FIG 6B 2-09.DWG 5-1-09 1=300 JGB/AM



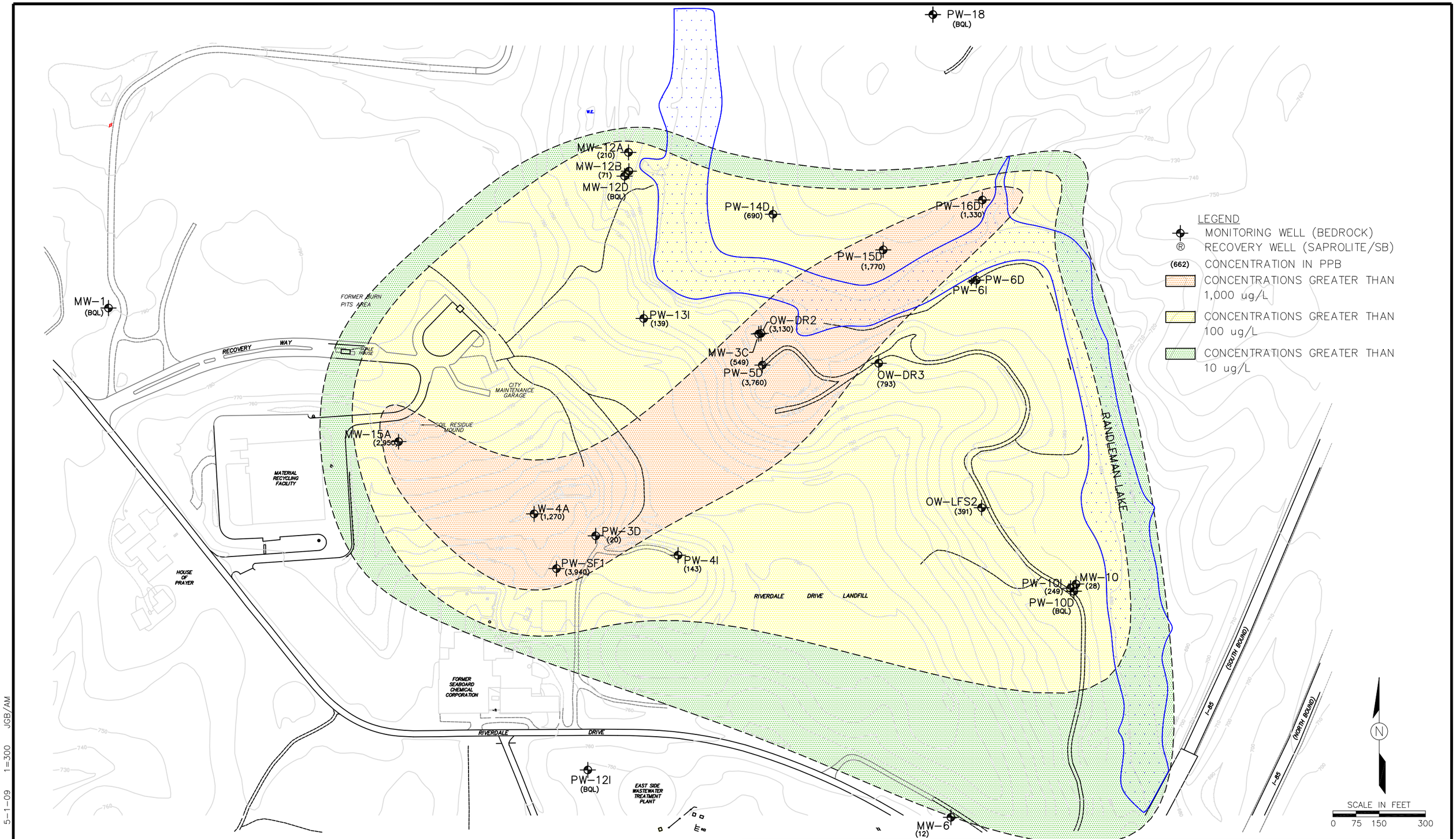

BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

Babb & Associates, P.A.

GROUND WATER QUALITY–BEDROCK AQUIFER
CHLOROBENZENE–DECEMBER 2013
FORMER SEABOARD CHEMICAL/ RIVERDALE DRIVE LF
JAMESTOWN, NORTH CAROLINA

FIGURE 5

FIG 6C 2-09.DWG 5-1-09 1=300 JGB/AM




BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

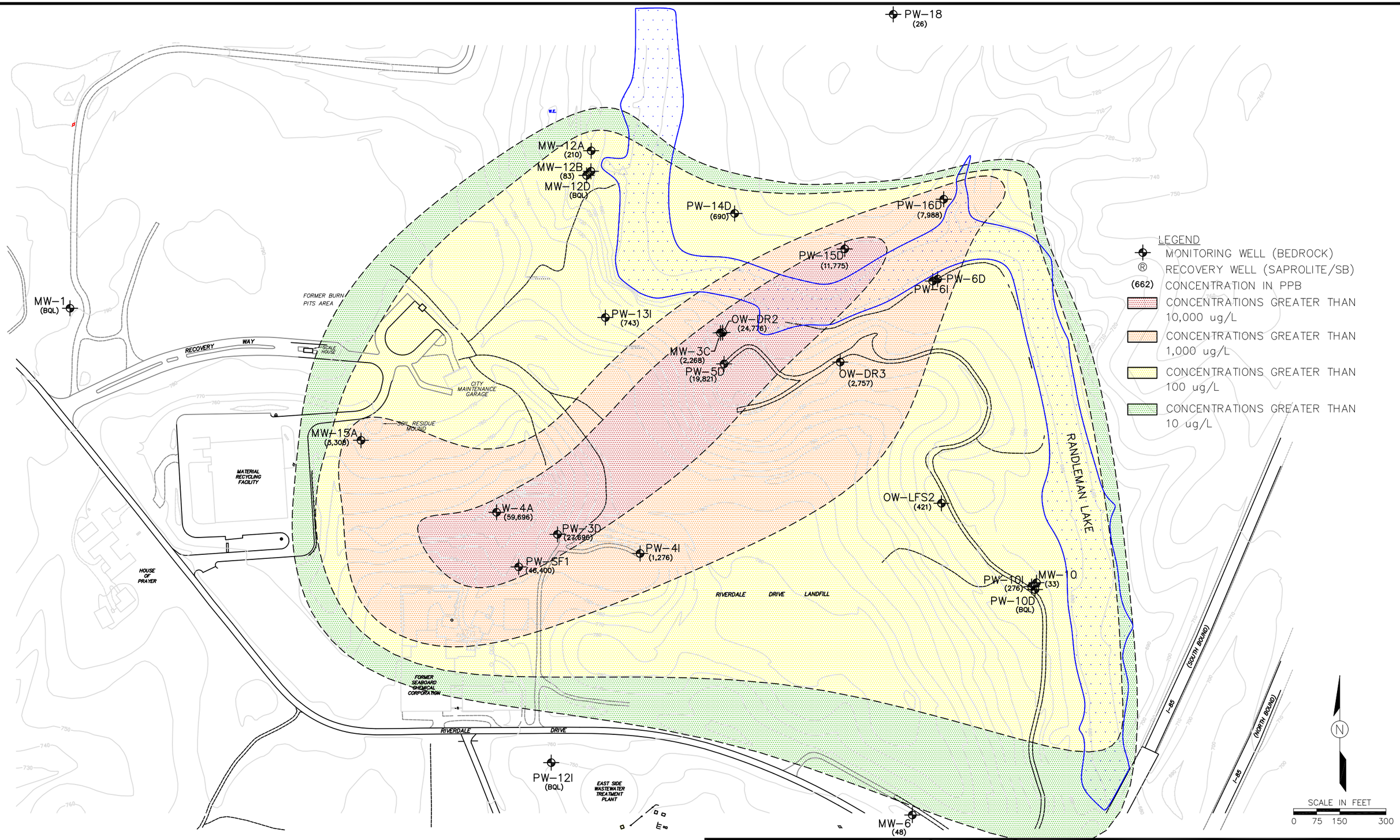
Babb & Associates, P.A.

GROUND WATER QUALITY–BEDROCK AQUIFER
1,4–DIOXANE – DECEMBER 2013

FORMER SEABOARD CHEMICAL/ RIVERDALE DRIVE LF
JAMESTOWN, NORTH CAROLINA

FIGURE
6

FIG 6D 2–09.DWG 5–1–09 1=300 JGB/AM




BASE MAP FROM BBL REMEDIAL INVESTIGATION REPORT, MARCH 1999.

Babb & Associates, P.A.

GROUND WATER QUALITY–BEDROCK AQUIFER
TOTAL VOCS–DECEMBER 2013

FORMER SEABOARD CHEMICAL/RIVERDALE DRIVE LF
JAMESTOWN, NORTH CAROLINA

FIGURE
7

FIG 6E 2-09.DWG 5-1-09 1=300 JGB/AM

# APPENDIX A
# Laboratory Report

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101301tb |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/09/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101301tb |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/09/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 12/30/13 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 100% | 51-141% |
| Toluene-d8 | 30 ug/L | 100% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 97% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101301 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-1 | **Analyst:** | VWV |
| **Sample Collection:** | 12/09/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101301 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-1 | **Analyst:** | VWV |
| **Sample Collection:** | 12/09/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 12/30/13 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 99% | 51-141% |
| Toluene-d8 | 30 ug/L | 102% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 98% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101301 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | MW-1 | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/09/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101302 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | PWSF1 | **Analyst:** | VWV |
| **Sample Collection:** | 12/09/13 | **Dilution Factor:** | **100** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 500 ug/L | cis-1,3-Dichloropropene | < 50.0 ug/L |
| Benzene | < 50.0 ug/L | trans-1,3-Dichloropropene | < 50.0 ug/L |
| Bromobenzene | < 50.0 ug/L | Ethanol | < 5000 ug/L |
| Bromodichloromethane | < 50.0 ug/L | Ethyl benzene | < 50.0 ug/L |
| Bromochloromethane | < 50.0 ug/L | Hexachlorobutadiene | < 50.0 ug/L |
| Bromoform | < 50.0 ug/L | 2-Hexanone | < 100 ug/L |
| Bromomethane | < 50.0 ug/L | Isopropylbenzene | < 50.0 ug/L |
| 2-Butanone (MEK) | < 500 ug/L | p-Isopropyltoluene | < 50.0 ug/L |
| n-Butylbenzene | < 50.0 ug/L | Methylene chloride | < 50.0 ug/L |
| sec-Butylbenzene | < 50.0 ug/L | Methly Isobutyl Ketone (MIBK) | < 50.0 ug/L |
| tert-Butylbenzene | < 50.0 ug/L | Naphthalene | < 50.0 ug/L |
| Carbon Tetrachloride | < 50.0 ug/L | n-Propylbenzene | < 50.0 ug/L |
| **Chlorobenzene** | **1,710 ug/L** | Styrene | < 50.0 ug/L |
| **Chloroethane** | **1,130 ug/L** | 1,1,1,2-Tetrachloroethane | < 50.0 ug/L |
| **Chloroform** | **276 ug/L** | 1,1,2,2-Tetrachloroethane | < 50.0 ug/L |
| Chloromethane | < 50.0 ug/L | Tetrachloroethene (PCE) | < 50.0 ug/L |
| 2-Chlorotoluene | < 50.0 ug/L | **Toluene** | **700 ug/L** |
| 4-Chlorotoluene | < 50.0 ug/L | **1,1,1-Trichloroethane** | **1,250 ug/L** |
| Dibromochloromethane | < 50.0 ug/L | 1,1,2-Trichloroethane | < 50.0 ug/L |
| 1,2-Dibromo-3-chloropropane | < 50.0 ug/L | **Trichloroethene (TCE)** | **1,470 ug/L** |
| 1,2-Dibromoethane (EDB) | < 50.0 ug/L | 1,2,3-Trichlorobenzene | < 50.0 ug/L |
| Dibromomethane | < 50.0 ug/L | 1,2,4-Trichlorobenzene | < 50.0 ug/L |
| Dichlorodifluoromethane | < 50.0 ug/L | 1,2,3-Trichloropropane | < 50.0 ug/L |
| **1,1-Dichloroethane** | **3,700 ug/L** | **Trichlorofluoromethane** | **154 ug/L** |
| **1,2-Dichloroethane** | **1,060 ug/L** | 1,2,4-Trimethylbenzene | < 50.0 ug/L |
| 1,4-Dichlorobenzene | < 50.0 ug/L | 1,3,5-Trimethylbenzene | < 50.0 ug/L |
| 1,2-Dichlorobenzene | < 50.0 ug/L | Vinyl acetate | < 100 ug/L |
| 1,3-Dichlorobenzene | < 50.0 ug/L | **Vinyl chloride** | **4,920 ug/L** |
| **1,1-Dichloroethene** | **6,190 ug/L** | m/p-Xylenes | < 100 ug/L |
| **cis-1,2-Dichloroethene** | **19,900 ug/L** | o-Xylene | < 50.0 ug/L |
| trans-1,2-Dichloroethene | < 50.0 ug/L | | |
| 1,2-Dichloropropane | < 50.0 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 50.0 ug/L | Methyl-tert-butyl ether (MTBE) | < 50.0 ug/L |
| 2,2-Dichloropropane | < 50.0 ug/L | Isopropyl ether (IPE) | < 50.0 ug/L |
| 1,1-Dichloropropene | < 50.0 ug/L | | |
| 1,2-Dichloropropene | < 50.0 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101302 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | PWSF1 | **Analyst:** | VWV |
| **Sample Collection:** | 12/09/13 | **Dilution Factor:** | 100 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 12/30/13 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 102% | 51-141% |
| Toluene-d8 | 30 ug/L | 102% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 99% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12101302 |
| **Project:** | Seaboard | **Analysis:** | 12/26/13 |
| **Client Sample ID:** | PW-SF1 | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/09/13 | **Analyst:** | CL |
| | | **Dilution:** | **100** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **3,940 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111318 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | MW-10 | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| **Chlorobenzene** | **2.27 ug/L** | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| **2-Chlorotoluene** | **2.74 ug/L** | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | <0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111318 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | MW-10 | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 108% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 82% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111318tb |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111318tb |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 104% | 51-141% |
| Toluene-d8 | 30 ug/L | 101% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 97% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111318 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | MW-10 | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/10/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **28.1 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

**642 Tamco Road * Reidsville, NC 27320**
**(336) 342-4748 Ph * (336) 342-1522 Fax**

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111319 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | MW-12A | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| Chlorobenzene | < 5.00 ug/L | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| 1,1-Dichloroethane | < 5.00 ug/L | Trichlorofluoromethane | < 5.00 ug/L |
| 1,2-Dichloroethane | < 5.00 ug/L | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | Vinyl chloride | < 5.00 ug/L |
| 1,1-Dichloroethene | < 5.00 ug/L | m/p-Xylenes | < 10.0 ug/L |
| cis-1,2-Dichloroethene | < 5.00 ug/L | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111319 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | MW-12A | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 107% | 51-141% |
| Toluene-d8 | 30 ug/L | 103% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 83% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 175% | 151% | 14 | 20 | 61-178 |
| Benzene | 25 ug/L | 99% | 101% | 1 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 87% | 89% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 87% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 78% | 88% | 13 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111319 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | MW-12A | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/10/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **210 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111320 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-12 B | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **11.3 ug/L** | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| 1,1-Dichloroethane | < 5.00 ug/L | Trichlorofluoromethane | < 5.00 ug/L |
| 1,2-Dichloroethane | < 5.00 ug/L | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | Vinyl chloride | < 5.00 ug/L |
| 1,1-Dichloroethene | < 5.00 ug/L | m/p-Xylenes | < 10.0 ug/L |
| cis-1,2-Dichloroethene | < 5.00 ug/L | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111320 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-12 B | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 105% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 99% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111320 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | MW-12B | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/10/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **71.4 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111321 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | MW-15A | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **350 ug/L** | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| **2-Chlorotoluene** | **8.20 ug/L** | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| 1,1-Dichloroethane | < 5.00 ug/L | Trichlorofluoromethane | < 5.00 ug/L |
| 1,2-Dichloroethane | < 5.00 ug/L | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | Vinyl chloride | < 5.00 ug/L |
| 1,1-Dichloroethene | < 5.00 ug/L | m/p-Xylenes | < 10.0 ug/L |
| cis-1,2-Dichloroethene | < 5.00 ug/L | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111321 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | MW-15A | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 107% | 51-141% |
| Toluene-d8 | 30 ug/L | 103% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 82% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 175% | 151% | 14 | 20 | 61-178 |
| Benzene | 25 ug/L | 99% | 101% | 1 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 87% | 89% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 87% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 78% | 88% | 13 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111321 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | MW-15A | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/10/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **2,950 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

**642 Tamco Road * Reidsville, NC 27320**
**(336) 342-4748 Ph * (336) 342-1522 Fax**

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111322 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | OW-DR3 | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **1,060 ug/L** | Styrene | < 5.00 ug/L |
| **Chloroethane** | **249 ug/L** | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | **Trichloroethene (TCE)** | **7.70 ug/L** |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **374 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| **1,2-Dichloroethane** | **26.4 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **85.3 ug/L** |
| **1,1-Dichloroethene** | **43.6 ug/L** | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **112 ug/L** | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | **Isopropyl ether (IPE)** | **6.30 ug/L** |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111322 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | OW-DR3 | **Analyst:** | VWV |
| **Sample Collection:** | 12/10/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 105% | 51-141% |
| Toluene-d8 | 30 ug/L | 99% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 99% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12111322 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | OW-DR3 | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/10/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **793 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121304 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-3C | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| **Benzene** | **9.30 ug/L** | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **559 ug/L** | Styrene | < 5.00 ug/L |
| **Chloroethane** | **137 ug/L** | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | **1,1,1-Trichloroethane** | **18.6 ug/L** |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **383 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| **1,2-Dichloroethane** | **14.5 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **173 ug/L** |
| **1,1-Dichloroethene** | **107 ug/L** | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **318 ug/L** | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121304 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-3C | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 106% | 51-141% |
| Toluene-d8 | 30 ug/L | 99% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 81% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121304tb |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121304tb |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 104% | 51-141% |
| Toluene-d8 | 30 ug/L | 101% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 98% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121304 |
| **Project:** | Seaboard | **Analysis:** | 12/26/13 |
| **Client Sample ID:** | MW-3C | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/11/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **549 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121305 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-6 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **6.50 ug/L** | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **13.8 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| 1,2-Dichloroethane | < 5.00 ug/L | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | Vinyl chloride | < 5.00 ug/L |
| 1,1-Dichloroethene | < 5.00 ug/L | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **15.7 ug/L** | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121305 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | MW-6 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 107% | 51-141% |
| Toluene-d8 | 30 ug/L | 99% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 81% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121305 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | MW-6 | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/11/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **12.3 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121306 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | OW-DR2 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | **100** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 500 ug/L | cis-1,3-Dichloropropene | < 50.0 ug/L |
| **Benzene** | **154 ug/L** | trans-1,3-Dichloropropene | < 50.0 ug/L |
| Bromobenzene | < 50.0 ug/L | Ethanol | < 5000 ug/L |
| Bromodichloromethane | < 50.0 ug/L | Ethyl benzene | < 50.0 ug/L |
| Bromochloromethane | < 50.0 ug/L | Hexachlorobutadiene | < 50.0 ug/L |
| Bromoform | < 50.0 ug/L | 2-Hexanone | < 100 ug/L |
| Bromomethane | < 50.0 ug/L | Isopropylbenzene | < 50.0 ug/L |
| 2-Butanone (MEK) | < 500 ug/L | p-Isopropyltoluene | < 50.0 ug/L |
| n-Butylbenzene | < 50.0 ug/L | Methylene chloride | < 50.0 ug/L |
| sec-Butylbenzene | < 50.0 ug/L | Methly Isobutyl Ketone (MIBK) | < 50.0 ug/L |
| tert-Butylbenzene | < 50.0 ug/L | Naphthalene | < 50.0 ug/L |
| Carbon Tetrachloride | < 50.0 ug/L | n-Propylbenzene | < 50.0 ug/L |
| **Chlorobenzene** | **4,800 ug/L** | Styrene | < 50.0 ug/L |
| **Chloroethane** | **1,890 ug/L** | 1,1,1,2-Tetrachloroethane | < 50.0 ug/L |
| Chloroform | < 50.0 ug/L | 1,1,2,2-Tetrachloroethane | < 50.0 ug/L |
| Chloromethane | < 50.0 ug/L | Tetrachloroethene (PCE) | < 50.0 ug/L |
| 2-Chlorotoluene | < 50.0 ug/L | **Toluene** | **172 ug/L** |
| 4-Chlorotoluene | < 50.0 ug/L | **1,1,1-Trichloroethane** | **1,920 ug/L** |
| Dibromochloromethane | < 50.0 ug/L | 1,1,2-Trichloroethane | < 50.0 ug/L |
| 1,2-Dibromo-3-chloropropane | < 50.0 ug/L | Trichloroethene (TCE) | < 50.0 ug/L |
| 1,2-Dibromoethane (EDB) | < 50.0 ug/L | 1,2,3-Trichlorobenzene | < 50.0 ug/L |
| Dibromomethane | < 50.0 ug/L | 1,2,4-Trichlorobenzene | < 50.0 ug/L |
| Dichlorodifluoromethane | < 50.0 ug/L | 1,2,3-Trichloropropane | < 50.0 ug/L |
| **1,1-Dichloroethane** | **2,730 ug/L** | Trichlorofluoromethane | < 50.0 ug/L |
| **1,2-Dichloroethane** | **120 ug/L** | 1,2,4-Trimethylbenzene | < 50.0 ug/L |
| 1,4-Dichlorobenzene | < 50.0 ug/L | 1,3,5-Trimethylbenzene | < 50.0 ug/L |
| 1,2-Dichlorobenzene | < 50.0 ug/L | Vinyl acetate | < 100 ug/L |
| 1,3-Dichlorobenzene | < 50.0 ug/L | **Vinyl chloride** | **1,330 ug/L** |
| **1,1-Dichloroethene** | **1,920 ug/L** | m/p-Xylenes | < 100 ug/L |
| **cis-1,2-Dichloroethene** | **6,600 ug/L** | o-Xylene | < 50.0 ug/L |
| trans-1,2-Dichloroethene | < 50.0 ug/L | | |
| 1,2-Dichloropropane | < 50.0 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 50.0 ug/L | Methyl-tert-butyl ether (MTBE) | < 50.0 ug/L |
| 2,2-Dichloropropane | < 50.0 ug/L | Isopropyl ether (IPE) | < 50.0 ug/L |
| 1,1-Dichloropropene | < 50.0 ug/L | | |
| 1,2-Dichloropropene | < 50.0 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121306 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | OW-DR2 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 100 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| % solid | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 105% | 51-141% |
| Toluene-d8 | 30 ug/L | 99% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 81% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121306 |
| **Project:** | Seaboard | **Analysis:** | 12/26/13 |
| **Client Sample ID:** | OW-DR2 | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/11/13 | **Analyst:** | CL |
| | | **Dilution:** | **100** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **3,130 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

**642 Tamco Road * Reidsville, NC 27320**
**(336) 342-4748 Ph * (336) 342-1522 Fax**

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121307 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | OW-LFS2 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| Chlorobenzene | < 5.00 ug/L | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| 1,1-Dichloroethane | < 5.00 ug/L | Trichlorofluoromethane | < 5.00 ug/L |
| 1,2-Dichloroethane | < 5.00 ug/L | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | Vinyl chloride | < 5.00 ug/L |
| 1,1-Dichloroethene | < 5.00 ug/L | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **29.6 ug/L** | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121307 |
| **Project:** | Seaboard | **Analysis:** | 12/16/13 |
| **Client Sample ID:** | OW-LFS2 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 106% | 51-141% |
| Toluene-d8 | 30 ug/L | 103% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 81% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 175% | 151% | 14 | 20 | 61-178 |
| Benzene | 25 ug/L | 99% | 101% | 1 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 87% | 89% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 87% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 78% | 88% | 13 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121307 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | OW-LFS2 | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/11/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **391 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

**642 Tamco Road * Reidsville, NC 27320**
**(336) 342-4748 Ph * (336) 342-1522 Fax**

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121308 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | PW-10I | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| Chlorobenzene | < 5.00 ug/L | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **19.5 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| 1,2-Dichloroethane | < 5.00 ug/L | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | Vinyl chloride | < 5.00 ug/L |
| 1,1-Dichloroethene | < 5.00 ug/L | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **7.70 ug/L** | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121308 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | PW-10I | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 108% | 51-141% |
| Toluene-d8 | 30 ug/L | 100% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 81% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121308 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | PW-10I | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/11/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **249 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

**642 Tamco Road * Reidsville, NC 27320**
**(336) 342-4748 Ph * (336) 342-1522 Fax**

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121309 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | PW-10D | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121309 |
| **Project:** | Seaboard | **Analysis:** | 12/13/13 |
| **Client Sample ID:** | PW-10D | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 107% | 51-141% |
| Toluene-d8 | 30 ug/L | 100% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 82% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121309 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-10D | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/11/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121310 |
| **Project:** | Seaboard | **Analysis:** | 12/14/13 |
| **Client Sample ID:** | SW-3 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| **Benzene** | **1.83 ug/L** | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| **Chlorobenzene** | **0.730 ug/L** | Styrene | < 0.500 ug/L |
| **Chloroethane** | **10.4 ug/L** | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | **Tetrachloroethene (PCE)** | **1.40 ug/L** |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | **1,1,1-Trichloroethane** | **28.7 ug/L** |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | **Trichloroethene (TCE)** | **14.6 ug/L** |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| **1,1-Dichloroethane** | **26.6 ug/L** | Trichlorofluoromethane | < 0.500 ug/L |
| **1,2-Dichloroethane** | **0.740 ug/L** | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | **Vinyl chloride** | **18.8 ug/L** |
| **1,1-Dichloroethene** | **33.2 ug/L** | m/p-Xylenes | < 1.00 ug/L |
| **cis-1,2-Dichloroethene** | **85.1 ug/L** | o-Xylene | < 0.500 ug/L |
| **trans-1,2-Dichloroethene** | **0.750 ug/L** | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121310 |
| **Project:** | Seaboard | **Analysis:** | 12/14/13 |
| **Client Sample ID:** | SW-3 | **Analyst:** | VWV |
| **Sample Collection:** | 12/11/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/03/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 107% | 51-141% |
| Toluene-d8 | 30 ug/L | 99% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 81% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12121310 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | SW-3 | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/11/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **10.0 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161303 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | MW-12D | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161303 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | MW-12D | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 113% | 51-141% |
| Toluene-d8 | 30 ug/L | 102% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 100% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161303tb |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161303tb |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 112% | 51-141% |
| Toluene-d8 | 30 ug/L | 105% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 99% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161303 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | MW-12D | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/12/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161304 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-14D | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | |
|---|---|
| Acetone | < 5.00 ug/L |
| Benzene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L |
| Bromodichloromethane | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L |
| Bromomethane | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L |
| n-Butylbenzene | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L |
| 1,2-Dichloropropane | < 0.500 ug/L |
| 1,3-Dichloropropane | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L |
| 1,2-Dichloropropene | < 0.500 ug/L |
| cis-1,3-Dichloropropene | < 0.500 ug/L |
| trans-1,3-Dichloropropene | < 0.500 ug/L |
| Ethanol | < 50.0 ug/L |
| Ethyl benzene | < 0.500 ug/L |
| Hexachlorobutadiene | < 0.500 ug/L |
| 2-Hexanone | < 1.00 ug/L |
| Isopropylbenzene | < 0.500 ug/L |
| p-Isopropyltoluene | < 0.500 ug/L |
| Methylene chloride | < 0.500 ug/L |
| Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| Naphthalene | < 0.500 ug/L |
| n-Propylbenzene | < 0.500 ug/L |
| Styrene | < 0.500 ug/L |
| 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Tetrachloroethene (PCE) | < 0.500 ug/L |
| Toluene | < 0.500 ug/L |
| 1,1,1-Trichloroethane | < 0.500 ug/L |
| 1,1,2-Trichloroethane | < 0.500 ug/L |
| Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| 1,2,3-Trichloropropane | < 0.500 ug/L |
| Trichlorofluoromethane | < 0.500 ug/L |
| 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| Vinyl acetate | < 1.00 ug/L |
| Vinyl chloride | < 0.500 ug/L |
| m/p-Xylenes | < 1.00 ug/L |
| o-Xylene | < 0.500 ug/L |

**Additional Compounds**

| | |
|---|---|
| Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| Isopropyl ether (IPE) | < 0.500 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161304 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-14D | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 114% | 51-141% |
| Toluene-d8 | 30 ug/L | 102% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 101% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161304 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-14D | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/12/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **690 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161305 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-15B | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | **10 / 100** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| **Benzene** | **67.3 ug/L** | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| **Carbon Tetrachloride** | **88.4 ug/L** | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **2,920 ug/L** | Styrene | < 5.00 ug/L |
| **Chloroethane** | **536 ug/L** | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | **Toluene** | **51.8 ug/L** |
| 4-Chlorotoluene | < 5.00 ug/L | **1,1,1-Trichloroethane** | **591 ug/L** |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **1,440 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| **1,2-Dichloroethane** | **70.5 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **676 ug/L** |
| **1,1-Dichloroethene** | **593 ug/L** | **m/p-Xylenes** | **6.10 ug/L** |
| **cis-1,2-Dichloroethene** | **2,920 ug/L** | **o-Xylene** | **26.6 ug/L** |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | | |
| 1,3-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 2,2-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | **Isopropyl ether (IPE)** | **18.2 ug/L** |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161305 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-15B | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/09/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 119% | 51-141% |
| Toluene-d8 | 30 ug/L | 103% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 103% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161305 |
| **Project:** | Seaboard | **Analysis:** | 12/26/13 |
| **Client Sample ID:** | PW-15D | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/12/13 | **Analyst:** | CL |
| | | **Dilution:** | **100** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **1,770 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161306 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-16D | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | **10 / 100** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| **Benzene** | **55.2 ug/L** | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| **Carbon Tetrachloride** | **37.0 ug/L** | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **1,870 ug/L** | Styrene | < 5.00 ug/L |
| **Chloroethane** | **245 ug/L** | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | **1,1,1-Trichloroethane** | **251 ug/L** |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **1,360 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| **1,2-Dichloroethane** | **65.9 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **368 ug/L** |
| **1,1-Dichloroethene** | **688 ug/L** | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **1,700 ug/L** | **o-Xylene** | **5.70 ug/L** |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | **Isopropyl ether (IPE)** | **12.2 ug/L** |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161306 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-16D | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/09/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 119% | 51-141% |
| Toluene-d8 | 30 ug/L | 102% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 102% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161306 |
| **Project:** | Seaboard | **Analysis:** | 12/26/13 |
| **Client Sample ID:** | PW-16D | **Extraction:** | 12/16/13 |
| **Sample Collection:** | 12/12/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **1,330 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161307 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-18 | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | **Methly Isobutyl Ketone (MIBK)** | **25.6 ug/L** |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| Chlorobenzene | < 5.00 ug/L | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| 1,1-Dichloroethane | < 5.00 ug/L | Trichlorofluoromethane | < 5.00 ug/L |
| 1,2-Dichloroethane | < 5.00 ug/L | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | Vinyl chloride | < 5.00 ug/L |
| 1,1-Dichloroethene | < 5.00 ug/L | m/p-Xylenes | < 10.0 ug/L |
| cis-1,2-Dichloroethene | < 5.00 ug/L | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161307 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | PW-18 | **Analyst:** | VWV |
| **Sample Collection:** | 12/12/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 116% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 101% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161307 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-18 | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/12/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **5.05 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161308 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-4 | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161308 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-4 | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 116% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 104% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

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Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161308tb |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161308tb |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 120% | 51-141% |
| Toluene-d8 | 30 ug/L | 103% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 102% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161308 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-4 | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/13/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161309 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-DRP-2S | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161309 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-DRP-2S | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 119% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 104% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161309 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-DRP-2S | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/13/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161310 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-DRP-2D | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161310 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-DRP-2D | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 116% | 51-141% |
| Toluene-d8 | 30 ug/L | 105% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 101% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161310 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-DRP-2D | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/13/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161311 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-7D | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | |
|---|---|
| Acetone | < 5.00 ug/L |
| Benzene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L |
| Bromodichloromethane | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L |
| Bromomethane | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L |
| n-Butylbenzene | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L |
| 1,2-Dichloropropane | < 0.500 ug/L |
| 1,3-Dichloropropane | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L |
| 1,2-Dichloropropene | < 0.500 ug/L |
| cis-1,3-Dichloropropene | < 0.500 ug/L |
| trans-1,3-Dichloropropene | < 0.500 ug/L |
| Ethanol | < 50.0 ug/L |
| Ethyl benzene | < 0.500 ug/L |
| Hexachlorobutadiene | < 0.500 ug/L |
| 2-Hexanone | < 1.00 ug/L |
| Isopropylbenzene | < 0.500 ug/L |
| p-Isopropyltoluene | < 0.500 ug/L |
| Methylene chloride | < 0.500 ug/L |
| Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| Naphthalene | < 0.500 ug/L |
| n-Propylbenzene | < 0.500 ug/L |
| Styrene | < 0.500 ug/L |
| 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Tetrachloroethene (PCE) | < 0.500 ug/L |
| Toluene | < 0.500 ug/L |
| 1,1,1-Trichloroethane | < 0.500 ug/L |
| 1,1,2-Trichloroethane | < 0.500 ug/L |
| Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| 1,2,3-Trichloropropane | < 0.500 ug/L |
| Trichlorofluoromethane | < 0.500 ug/L |
| 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| Vinyl acetate | < 1.00 ug/L |
| Vinyl chloride | < 0.500 ug/L |
| m/p-Xylenes | < 1.00 ug/L |
| o-Xylene | < 0.500 ug/L |
| **Additional Compounds** | |
| Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| Isopropyl ether (IPE) | < 0.500 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161311 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-7D | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 115% | 51-141% |
| Toluene-d8 | 30 ug/L | 103% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 100% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161311 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-7D | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/13/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161312 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-7S | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161312 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-7S | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 117% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 100% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161312 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-7S | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/13/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161313 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-6D | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | |
|---|---|
| Acetone | < 5.00 ug/L |
| Benzene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L |
| Bromodichloromethane | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L |
| Bromomethane | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L |
| n-Butylbenzene | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L |
| 1,2-Dichloropropane | < 0.500 ug/L |
| 1,3-Dichloropropane | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L |
| 1,2-Dichloropropene | < 0.500 ug/L |
| cis-1,3-Dichloropropene | < 0.500 ug/L |
| trans-1,3-Dichloropropene | < 0.500 ug/L |
| Ethanol | < 50.0 ug/L |
| Ethyl benzene | < 0.500 ug/L |
| Hexachlorobutadiene | < 0.500 ug/L |
| 2-Hexanone | < 1.00 ug/L |
| Isopropylbenzene | < 0.500 ug/L |
| p-Isopropyltoluene | < 0.500 ug/L |
| Methylene chloride | < 0.500 ug/L |
| Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| Naphthalene | < 0.500 ug/L |
| n-Propylbenzene | < 0.500 ug/L |
| Styrene | < 0.500 ug/L |
| 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Tetrachloroethene (PCE) | < 0.500 ug/L |
| Toluene | < 0.500 ug/L |
| 1,1,1-Trichloroethane | < 0.500 ug/L |
| 1,1,2-Trichloroethane | < 0.500 ug/L |
| Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| 1,2,3-Trichloropropane | < 0.500 ug/L |
| Trichlorofluoromethane | < 0.500 ug/L |
| 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| Vinyl acetate | < 1.00 ug/L |
| Vinyl chloride | < 0.500 ug/L |
| m/p-Xylenes | < 1.00 ug/L |
| o-Xylene | < 0.500 ug/L |
| **Additional Compounds** | |
| Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| Isopropyl ether (IPE) | < 0.500 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161313 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-6D | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 113% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 102% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161313 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-6D | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/13/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161314 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-6S | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | |
|---|---|
| Acetone | < 5.00 ug/L |
| Benzene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L |
| Bromodichloromethane | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L |
| Bromomethane | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L |
| n-Butylbenzene | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L |
| 1,2-Dichloropropane | < 0.500 ug/L |
| 1,3-Dichloropropane | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L |
| 1,2-Dichloropropene | < 0.500 ug/L |
| cis-1,3-Dichloropropene | < 0.500 ug/L |
| trans-1,3-Dichloropropene | < 0.500 ug/L |
| Ethanol | < 50.0 ug/L |
| Ethyl benzene | < 0.500 ug/L |
| Hexachlorobutadiene | < 0.500 ug/L |
| 2-Hexanone | < 1.00 ug/L |
| Isopropylbenzene | < 0.500 ug/L |
| p-Isopropyltoluene | < 0.500 ug/L |
| Methylene chloride | < 0.500 ug/L |
| Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| Naphthalene | < 0.500 ug/L |
| n-Propylbenzene | < 0.500 ug/L |
| Styrene | < 0.500 ug/L |
| 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Tetrachloroethene (PCE) | < 0.500 ug/L |
| Toluene | < 0.500 ug/L |
| 1,1,1-Trichloroethane | < 0.500 ug/L |
| 1,1,2-Trichloroethane | < 0.500 ug/L |
| Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| 1,2,3-Trichloropropane | < 0.500 ug/L |
| Trichlorofluoromethane | < 0.500 ug/L |
| 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| Vinyl acetate | < 1.00 ug/L |
| Vinyl chloride | < 0.500 ug/L |
| m/p-Xylenes | < 1.00 ug/L |
| o-Xylene | < 0.500 ug/L |
| **Additional Compounds** | |
| Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| Isopropyl ether (IPE) | < 0.500 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161314 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-6S | **Analyst:** | VWV |
| **Sample Collection:** | 12/13/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/08/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 116% | 51-141% |
| Toluene-d8 | 30 ug/L | 103% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 102% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 140% | 135% | 4 | 20 | 61-178 |
| Benzene | 25 ug/L | 109% | 106% | 3 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 90% | 88% | 2 | 20 | 78-104 |
| Toluene | 25 ug/L | 88% | 88% | 1 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 84% | 83% | 1 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12161314 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-6S | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/13/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **9.29 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171302 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-13I | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| Chlorobenzene | < 5.00 ug/L | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | 1,1,1-Trichloroethane | < 5.00 ug/L |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **197 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| **1,2-Dichloroethane** | **11.0 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **104 ug/L** |
| **1,1-Dichloroethene** | **56.3 ug/L** | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **236 ug/L** | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171302 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-13I | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 122% | 51-141% |
| Toluene-d8 | 30 ug/L | 101% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 102% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 164% | 147% | 11 | 20 | 61-178 |
| Benzene | 25 ug/L | 113% | 112% | 0 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 94% | 93% | 1 | 20 | 78-104 |
| Toluene | 25 ug/L | 91% | 90% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 88% | 85% | 3 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171302tb |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171302tb |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 118% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 101% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171302 |
| **Project:** | Seaboard | **Analysis:** | 12/26/13 |
| **Client Sample ID:** | PW-13I | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/16/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **139 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171303 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-5D | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | **10 / 100** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| **Benzene** | **121 ug/L** | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **2,960 ug/L** | Styrene | < 5.00 ug/L |
| **Chloroethane** | **509 ug/L** | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| **Chloroform** | **7.20 ug/L** | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | Tetrachloroethene (PCE) | < 5.00 ug/L |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | **1,1,1-Trichloroethane** | **1,550 ug/L** |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | Trichloroethene (TCE) | < 5.00 ug/L |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **2,200 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| **1,2-Dichloroethane** | **181 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **920 ug/L** |
| **1,1-Dichloroethene** | **2,200 ug/L** | **m/p-Xylenes** | **20.0 ug/L** |
| **cis-1,2-Dichloroethene** | **5,300 ug/L** | **o-Xylene** | **37.6 ug/L** |
| **trans-1,2-Dichloroethene** | **29.7 ug/L** | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | **Isopropyl ether (IPE)** | **25.5 ug/L** |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171303 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-5D | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 10 / 100 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 121% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 101% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171303 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | PW-5D | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/16/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **3,760 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

**642 Tamco Road * Reidsville, NC 27320**
**(336) 342-4748 Ph * (336) 342-1522 Fax**

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171304 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | SW-DRP-11S | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171304 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | SW-DRP-11S | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 122% | 51-141% |
| Toluene-d8 | 30 ug/L | 12% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 99% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171304 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-DRP-11S | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/16/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

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(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171305 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | SW-DRP-11D | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171305 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | SW-DRP-11D | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 120% | 51-141% |
| Toluene-d8 | 30 ug/L | 102% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 102% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171305 |
| **Project:** | Seaboard | **Analysis:** | 12/19/13 |
| **Client Sample ID:** | SW-DRP-11D | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/16/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **14.4 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171306 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | SW-5 | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | |
|---|---|
| Acetone | < 5.00 ug/L |
| Benzene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L |
| Bromodichloromethane | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L |
| Bromomethane | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L |
| n-Butylbenzene | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L |
| 1,2-Dichloropropane | < 0.500 ug/L |
| 1,3-Dichloropropane | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L |
| 1,2-Dichloropropene | < 0.500 ug/L |
| cis-1,3-Dichloropropene | < 0.500 ug/L |
| trans-1,3-Dichloropropene | < 0.500 ug/L |
| Ethanol | < 50.0 ug/L |
| Ethyl benzene | < 0.500 ug/L |
| Hexachlorobutadiene | < 0.500 ug/L |
| 2-Hexanone | < 1.00 ug/L |
| Isopropylbenzene | < 0.500 ug/L |
| p-Isopropyltoluene | < 0.500 ug/L |
| Methylene chloride | < 0.500 ug/L |
| Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| Naphthalene | < 0.500 ug/L |
| n-Propylbenzene | < 0.500 ug/L |
| Styrene | < 0.500 ug/L |
| 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Tetrachloroethene (PCE) | < 0.500 ug/L |
| Toluene | < 0.500 ug/L |
| 1,1,1-Trichloroethane | < 0.500 ug/L |
| 1,1,2-Trichloroethane | < 0.500 ug/L |
| Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| 1,2,3-Trichloropropane | < 0.500 ug/L |
| Trichlorofluoromethane | < 0.500 ug/L |
| 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| Vinyl acetate | < 1.00 ug/L |
| Vinyl chloride | < 0.500 ug/L |
| m/p-Xylenes | < 1.00 ug/L |
| o-Xylene | < 0.500 ug/L |
| **Additional Compounds** | |
| Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| Isopropyl ether (IPE) | < 0.500 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171306 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | SW-5 | **Analyst:** | VWV |
| **Sample Collection:** | 12/16/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 122% | 51-141% |
| Toluene-d8 | 30 ug/L | 105% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 101% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171306 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | SW-5 | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/16/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **13.0 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171311 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-4I | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | **10** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| Benzene | < 5.00 ug/L | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| 2-Butanone (MEK) | < 50.0 ug/L | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | Methylene chloride | < 5.00 ug/L |
| sec-Butylbenzene | < 5.00 ug/L | Methly Isobutyl Ketone (MIBK) | < 5.00 ug/L |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **82.4 ug/L** | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | **Tetrachloroethene (PCE)** | **9.40 ug/L** |
| 2-Chlorotoluene | < 5.00 ug/L | Toluene | < 5.00 ug/L |
| 4-Chlorotoluene | < 5.00 ug/L | **1,1,1-Trichloroethane** | **62.2 ug/L** |
| Dibromochloromethane | < 5.00 ug/L | 1,1,2-Trichloroethane | < 5.00 ug/L |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | **Trichloroethene (TCE)** | **110 ug/L** |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **134 ug/L** | Trichlorofluoromethane | < 5.00 ug/L |
| **1,2-Dichloroethane** | **139 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **123 ug/L** |
| **1,1-Dichloroethene** | **67.1 ug/L** | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **406 ug/L** | o-Xylene | < 5.00 ug/L |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171311 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-4I | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | 10 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/04/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 124% | 51-141% |
| Toluene-d8 | 30 ug/L | 102% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 100% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 164% | 147% | 11 | 20 | 61-178 |
| Benzene | 25 ug/L | 113% | 112% | 0 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 94% | 93% | 1 | 20 | 78-104 |
| Toluene | 25 ug/L | 91% | 90% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 88% | 85% | 3 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171311tb |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171311tb |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | Trip Blank | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/04/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 121% | 51-141% |
| Toluene-d8 | 30 ug/L | 107% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 102% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 164% | 147% | 11 | 20 | 61-178 |
| Benzene | 25 ug/L | 113% | 112% | 0 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 94% | 93% | 1 | 20 | 78-104 |
| Toluene | 25 ug/L | 91% | 90% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 88% | 85% | 3 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171311 |
| **Project:** | Seaboard | **Analysis:** | 12/23/13 |
| **Client Sample ID:** | PW-4I | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/17/13 | **Analyst:** | CL |
| | | **Dilution:** | **10** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **143 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171312 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-12I | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | 1 |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 5.00 ug/L | cis-1,3-Dichloropropene | < 0.500 ug/L |
| Benzene | < 0.500 ug/L | trans-1,3-Dichloropropene | < 0.500 ug/L |
| Bromobenzene | < 0.500 ug/L | Ethanol | < 50.0 ug/L |
| Bromodichloromethane | < 0.500 ug/L | Ethyl benzene | < 0.500 ug/L |
| Bromochloromethane | < 0.500 ug/L | Hexachlorobutadiene | < 0.500 ug/L |
| Bromoform | < 0.500 ug/L | 2-Hexanone | < 1.00 ug/L |
| Bromomethane | < 0.500 ug/L | Isopropylbenzene | < 0.500 ug/L |
| 2-Butanone (MEK) | < 5.00 ug/L | p-Isopropyltoluene | < 0.500 ug/L |
| n-Butylbenzene | < 0.500 ug/L | Methylene chloride | < 0.500 ug/L |
| sec-Butylbenzene | < 0.500 ug/L | Methly Isobutyl Ketone (MIBK) | < 0.500 ug/L |
| tert-Butylbenzene | < 0.500 ug/L | Naphthalene | < 0.500 ug/L |
| Carbon Tetrachloride | < 0.500 ug/L | n-Propylbenzene | < 0.500 ug/L |
| Chlorobenzene | < 0.500 ug/L | Styrene | < 0.500 ug/L |
| Chloroethane | < 0.500 ug/L | 1,1,1,2-Tetrachloroethane | < 0.500 ug/L |
| Chloroform | < 0.500 ug/L | 1,1,2,2-Tetrachloroethane | < 0.500 ug/L |
| Chloromethane | < 0.500 ug/L | Tetrachloroethene (PCE) | < 0.500 ug/L |
| 2-Chlorotoluene | < 0.500 ug/L | Toluene | < 0.500 ug/L |
| 4-Chlorotoluene | < 0.500 ug/L | 1,1,1-Trichloroethane | < 0.500 ug/L |
| Dibromochloromethane | < 0.500 ug/L | 1,1,2-Trichloroethane | < 0.500 ug/L |
| 1,2-Dibromo-3-chloropropane | < 0.500 ug/L | Trichloroethene (TCE) | < 0.500 ug/L |
| 1,2-Dibromoethane (EDB) | < 0.500 ug/L | 1,2,3-Trichlorobenzene | < 0.500 ug/L |
| Dibromomethane | < 0.500 ug/L | 1,2,4-Trichlorobenzene | < 0.500 ug/L |
| Dichlorodifluoromethane | < 0.500 ug/L | 1,2,3-Trichloropropane | < 0.500 ug/L |
| 1,1-Dichloroethane | < 0.500 ug/L | Trichlorofluoromethane | < 0.500 ug/L |
| 1,2-Dichloroethane | < 0.500 ug/L | 1,2,4-Trimethylbenzene | < 0.500 ug/L |
| 1,4-Dichlorobenzene | < 0.500 ug/L | 1,3,5-Trimethylbenzene | < 0.500 ug/L |
| 1,2-Dichlorobenzene | < 0.500 ug/L | Vinyl acetate | < 1.00 ug/L |
| 1,3-Dichlorobenzene | < 0.500 ug/L | Vinyl chloride | < 0.500 ug/L |
| 1,1-Dichloroethene | < 0.500 ug/L | m/p-Xylenes | < 1.00 ug/L |
| cis-1,2-Dichloroethene | < 0.500 ug/L | o-Xylene | < 0.500 ug/L |
| trans-1,2-Dichloroethene | < 0.500 ug/L | | |
| 1,2-Dichloropropane | < 0.500 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 0.500 ug/L | Methyl-tert-butyl ether (MTBE) | < 0.500 ug/L |
| 2,2-Dichloropropane | < 0.500 ug/L | Isopropyl ether (IPE) | < 0.500 ug/L |
| 1,1-Dichloropropene | < 0.500 ug/L | | |
| 1,2-Dichloropropene | < 0.500 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171312 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-12I | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | 1 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/04/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 122% | 51-141% |
| Toluene-d8 | 30 ug/L | 107% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 107% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 164% | 147% | 11 | 20 | 61-178 |
| Benzene | 25 ug/L | 113% | 112% | 0 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 94% | 93% | 1 | 20 | 78-104 |
| Toluene | 25 ug/L | 91% | 90% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 88% | 85% | 3 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171312 |
| **Project:** | Seaboard | **Analysis:** | 12/24/13 |
| **Client Sample ID:** | PW-12I | **Extraction:** | 12/20/13 |
| **Sample Collection:** | 12/17/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171313 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-3D | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | **10 / 100** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 50.0 ug/L | cis-1,3-Dichloropropene | < 5.00 ug/L |
| **Benzene** | **137 ug/L** | trans-1,3-Dichloropropene | < 5.00 ug/L |
| Bromobenzene | < 5.00 ug/L | Ethanol | < 500 ug/L |
| Bromodichloromethane | < 5.00 ug/L | Ethyl benzene | < 5.00 ug/L |
| Bromochloromethane | < 5.00 ug/L | Hexachlorobutadiene | < 5.00 ug/L |
| Bromoform | < 5.00 ug/L | 2-Hexanone | < 10.0 ug/L |
| Bromomethane | < 5.00 ug/L | Isopropylbenzene | < 5.00 ug/L |
| **2-Butanone (MEK)** | **52.1 ug/L** | p-Isopropyltoluene | < 5.00 ug/L |
| n-Butylbenzene | < 5.00 ug/L | **Methylene chloride** | **979 ug/L** |
| sec-Butylbenzene | < 5.00 ug/L | **Methly Isobutyl Ketone (MIBK)** | **53.8 ug/L** |
| tert-Butylbenzene | < 5.00 ug/L | Naphthalene | < 5.00 ug/L |
| Carbon Tetrachloride | < 5.00 ug/L | n-Propylbenzene | < 5.00 ug/L |
| **Chlorobenzene** | **7,250 ug/L** | Styrene | < 5.00 ug/L |
| Chloroethane | < 5.00 ug/L | 1,1,1,2-Tetrachloroethane | < 5.00 ug/L |
| Chloroform | < 5.00 ug/L | 1,1,2,2-Tetrachloroethane | < 5.00 ug/L |
| Chloromethane | < 5.00 ug/L | **Tetrachloroethene (PCE)** | **723 ug/L** |
| 2-Chlorotoluene | < 5.00 ug/L | **Toluene** | **338 ug/L** |
| 4-Chlorotoluene | < 5.00 ug/L | **1,1,1-Trichloroethane** | **993 ug/L** |
| Dibromochloromethane | < 5.00 ug/L | **1,1,2-Trichloroethane** | **9.00 ug/L** |
| 1,2-Dibromo-3-chloropropane | < 5.00 ug/L | **Trichloroethene (TCE)** | **2,540 ug/L** |
| 1,2-Dibromoethane (EDB) | < 5.00 ug/L | 1,2,3-Trichlorobenzene | < 5.00 ug/L |
| Dibromomethane | < 5.00 ug/L | 1,2,4-Trichlorobenzene | < 5.00 ug/L |
| Dichlorodifluoromethane | < 5.00 ug/L | 1,2,3-Trichloropropane | < 5.00 ug/L |
| **1,1-Dichloroethane** | **491 ug/L** | **Trichlorofluoromethane** | **0.60 ug/L** |
| **1,2-Dichloroethane** | **12,800 ug/L** | 1,2,4-Trimethylbenzene | < 5.00 ug/L |
| 1,4-Dichlorobenzene | < 5.00 ug/L | 1,3,5-Trimethylbenzene | < 5.00 ug/L |
| 1,2-Dichlorobenzene | < 5.00 ug/L | Vinyl acetate | < 10.0 ug/L |
| 1,3-Dichlorobenzene | < 5.00 ug/L | **Vinyl chloride** | **58.4 ug/L** |
| **1,1-Dichloroethene** | **1,180 ug/L** | m/p-Xylenes | < 10.0 ug/L |
| **cis-1,2-Dichloroethene** | **59.4 ug/L** | **o-Xylene** | **12.3 ug/L** |
| trans-1,2-Dichloroethene | < 5.00 ug/L | | |
| 1,2-Dichloropropane | < 5.00 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 5.00 ug/L | Methyl-tert-butyl ether (MTBE) | < 5.00 ug/L |
| 2,2-Dichloropropane | < 5.00 ug/L | Isopropyl ether (IPE) | < 5.00 ug/L |
| 1,1-Dichloropropene | < 5.00 ug/L | | |
| 1,2-Dichloropropene | < 5.00 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171313 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-3D | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | 10 / 100 |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 122% | 51-141% |
| Toluene-d8 | 30 ug/L | 99% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 101% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 164% | 147% | 11 | 20 | 61-178 |
| Benzene | 25 ug/L | 113% | 112% | 0 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 94% | 93% | 1 | 20 | 78-104 |
| Toluene | 25 ug/L | 91% | 90% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 88% | 85% | 3 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

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Laboratory Representative

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# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171313 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | PW-3D | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/17/13 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **19.5 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171314 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | W-4A | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | **100** |

## SW-846-8260 VOLATILE ORGANICS - Water

| | | | |
|---|---|---|---|
| Acetone | < 500 ug/L | cis-1,3-Dichloropropene | < 50.0 ug/L |
| **Benzene** | **843 ug/L** | trans-1,3-Dichloropropene | < 50.0 ug/L |
| Bromobenzene | < 50.0 ug/L | Ethanol | < 5000 ug/L |
| Bromodichloromethane | < 50.0 ug/L | Ethyl benzene | < 50.0 ug/L |
| Bromochloromethane | < 50.0 ug/L | Hexachlorobutadiene | < 50.0 ug/L |
| Bromoform | < 50.0 ug/L | 2-Hexanone | < 100 ug/L |
| Bromomethane | < 50.0 ug/L | Isopropylbenzene | < 50.0 ug/L |
| 2-Butanone (MEK) | < 500 ug/L | p-Isopropyltoluene | < 50.0 ug/L |
| n-Butylbenzene | < 50.0 ug/L | **Methylene chloride** | **15,300 ug/L** |
| sec-Butylbenzene | < 50.0 ug/L | Methly Isobutyl Ketone (MIBK) | < 50.0 ug/L |
| tert-Butylbenzene | < 50.0 ug/L | Naphthalene | < 50.0 ug/L |
| Carbon Tetrachloride | < 50.0 ug/L | n-Propylbenzene | < 50.0 ug/L |
| **Chlorobenzene** | **332 ug/L** | Styrene | < 50.0 ug/L |
| **Chloroethane** | **6,790 ug/L** | 1,1,1,2-Tetrachloroethane | < 50.0 ug/L |
| Chloroform | < 50.0 ug/L | 1,1,2,2-Tetrachloroethane | < 50.0 ug/L |
| Chloromethane | < 50.0 ug/L | Tetrachloroethene (PCE) | < 50.0 ug/L |
| 2-Chlorotoluene | < 50.0 ug/L | **Toluene** | **249 ug/L** |
| 4-Chlorotoluene | < 50.0 ug/L | **1,1,1-Trichloroethane** | **513 ug/L** |
| Dibromochloromethane | < 50.0 ug/L | 1,1,2-Trichloroethane | < 50.0 ug/L |
| 1,2-Dibromo-3-chloropropane | < 50.0 ug/L | Trichloroethene (TCE) | < 50.0 ug/L |
| 1,2-Dibromoethane (EDB) | < 50.0 ug/L | 1,2,3-Trichlorobenzene | < 50.0 ug/L |
| Dibromomethane | < 50.0 ug/L | 1,2,4-Trichlorobenzene | < 50.0 ug/L |
| Dichlorodifluoromethane | < 50.0 ug/L | 1,2,3-Trichloropropane | < 50.0 ug/L |
| **1,1-Dichloroethane** | **7,580 ug/L** | Trichlorofluoromethane | < 50.0 ug/L |
| **1,2-Dichloroethane** | **318 ug/L** | 1,2,4-Trimethylbenzene | < 50.0 ug/L |
| 1,4-Dichlorobenzene | < 50.0 ug/L | 1,3,5-Trimethylbenzene | < 50.0 ug/L |
| 1,2-Dichlorobenzene | < 50.0 ug/L | Vinyl acetate | < 100 ug/L |
| 1,3-Dichlorobenzene | < 50.0 ug/L | **Vinyl chloride** | **8,580 ug/L** |
| **1,1-Dichloroethene** | **3,260 ug/L** | **m/p-Xylenes** | **73.0 ug/L** |
| **cis-1,2-Dichloroethene** | **14,400 ug/L** | **o-Xylene** | **188 ug/L** |
| trans-1,2-Dichloroethene | < 50.0 ug/L | | |
| 1,2-Dichloropropane | < 50.0 ug/L | **Additional Compounds** | |
| 1,3-Dichloropropane | < 50.0 ug/L | Methyl-tert-butyl ether (MTBE) | < 50.0 ug/L |
| 2,2-Dichloropropane | < 50.0 ug/L | Isopropyl ether (IPE) | < 50.0 ug/L |
| 1,1-Dichloropropene | < 50.0 ug/L | | |
| 1,2-Dichloropropene | < 50.0 ug/L | | |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

Laboratory Certification #165

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171314 |
| **Project:** | Seaboard | **Analysis:** | 12/20/13 |
| **Client Sample ID:** | W-4A | **Analyst:** | VWV |
| **Sample Collection:** | 12/17/13 | **Dilution Factor:** | **100** |
| **Sample Volume:** | 5ml purge | **Report Date:** | 01/07/14 |
| **% solid** | N/A | | |

**Batch Blank = Below Reporting Limit** (Yes ) / No *

**Internal Standards method criteria acceptable** (Yes) / No *

| Surrogate Recoveries | Spike Conc | Spike Recovery | Limits |
|---|---|---|---|
| Dibromofluoromethane | 30 ug/L | 124% | 51-141% |
| Toluene-d8 | 30 ug/L | 104% | 67-151% |
| Bromofluorobenzene | 30 ug/L | 100% | 44-161% |

**Laboratory QC Check**

**Matrix / Spike Recoveries Acceptable** (Yes) / No *

| Spike Compound | Spike Conc | Spike %Rec. | Duplicate % Rec. | RPD | RPD Limits | QC Limits |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25 ug/L | 123% | 149% | 20 | 20 | 61-178 |
| Benzene | 25 ug/L | 98% | 102% | 4 | 20 | 64-146 |
| Trichloroethene | 25 ug/L | 86% | 90% | 4 | 20 | 78-104 |
| Toluene | 25 ug/L | 86% | 86% | 0 | 20 | 83-123 |
| Chlorobenzene | 25 ug/L | 85% | 88% | 2 | 20 | 78-116 |

# - Fails Limit Check

* - If "no" is selected, see third page for details.

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 12171314 |
| **Project:** | Seaboard | **Analysis:** | 12/26/13 |
| **Client Sample ID:** | W-4A | **Extraction:** | 12/17/13 |
| **Sample Collection:** | 12/17/13 | **Analyst:** | CL |
| | | **Dilution:** | **100** |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| **1,4 Dioxane** | **1,270 ug/L** |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# Chain of Custody Record (COC)


**MERITECH, INC.**
**ENVIRONMENTAL LABORATORIES**
*A Division of Water Technology and Controls, Inc.*

642 Tamco Rd.
Reidsville, NC 27320

Phone: 1-336-342-4748
Fax: 1-336-342-1522
Email: srmrtech@bellsouth.net
Web Site: www.meritech-labs.com


Client: Garry Babb

Address: Babb + Associates, P.A.
P.O Box 37697
Raleigh NC, 27627

Attention: Garry Babb

NPDES#
Phone: (919) 325-0696
Fax:
Email: gbabbc@nc.rr.com
Project # Seaboard
P. O. # Gary Babb

**Turn Around Time***
*RUSH work must have prior approval.

| Std (10 days) | 3 - 5 Day | 24 - 48 Hr |
|---|---|---|
| ☒ | ☐ | ☐ |

Person Taking Sample (Signature):

| Sample Location/ID # | Sampling Dates & Times: START Date | START Time | END Date | END Time | Comp? Grab? | # of Conts. | Tests Required | Required Method (200.8 / 200.7) | Lab Use Only (pH OK? C12 OK?) |
|---|---|---|---|---|---|---|---|---|---|
| MW-1 | 12/9/13 | | 12/9/13 | 2:42 pm | G | 4 | EPA Method 8260 and 1,4 Dioxane 01 | | |
| PWSF1 | 12/9/13 | | 12/9/13 | 4:15 pm | G | 4 | ↓ 02 | | |
| Trip Blank | | | | | | | | | |
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| | | | | | | | | | |

Compositor #
Jug #

***Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol or TKN samples must be done in the field prior to preservation.***

Comments:

**Method of Shipment:**
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other

Are these results for regulatory purposes? YES ☐ NO ☐

Report results in mg/L ☐ mg/Kg ☐ µg/L ☐

On Ice? Y

Temperature On Receipt 3.5

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12/10/13 | 0815 | [signature] | 12/10/13 | 0814 |
| [signature] | 12/10/13 | 0910 | | | |
| | | | | | |

| Received at lab by | Date | Time |
|---|---|---|
| [signature] | 12/10/13 | 910 |

# Chain of Custody Record (COC)


**MERITECH, INC.**
**ENVIRONMENTAL LABORATORIES**
*A Division of Water Technology and Controls, Inc.*

642 Tamco Rd.
Reidsville, NC 27320

Phone: 1-336-342-4748
Fax: 1-336-342-1522
Email: srmrtech@bellsouth.net
Web Site: www.meritech-labs.com


Client: Gary Babb

Address: Babb + Associates, P.A.
P.O Box 37697
Raleigh NC, 27627

Attention: Garry Babb

NPDES#
Phone: (919) 325-0696
Fax:
Email: gbabb@nc.rr.com
Project # Seaboard
P. O. # Gary Babb

**Turn Around Time***
*RUSH work must have prior approval.

| Std (10 days) | 3 - 5 Day | 24 - 48 Hr |
|---|---|---|
| ☒ | ☐ | ☐ |

Person Taking Sample (Signature):

| Sample Location/ID # | Sampling Dates & Times START Date | START Time | ~~END~~ Date | ~~END~~ Time | Comp? Grab? | # of Conts. | Tests Required | Required Method 200.8 / 200.7 | Lab Use Only pH OK? C12 OK? |
|---|---|---|---|---|---|---|---|---|---|
| MW-10 | 12/10/13 | 14:24 | | | G | 4 | EPA Method 8260 + 1,4 Dioxane 18 | | |
| MW-12A | 12/10/13 | 12:00 | | | G | 4 | 19 | | |
| MW-12B | 12/10/13 | 15:18 | | | G | 4 | 20 | | |
| MW-15A | 12/10/13 | 10:23 | | | G | 4 | 21 | | |
| OW-DR3 | 12/10/13 | 14:36 | | | G | 4 | 22 | | |
| Trip Blank | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Compositor # _____
Jug # _____

***Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol or TKN samples must be done in the field prior to preservation.***

Comments:

**Method of Shipment:**
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other

Are these results for regulatory purposes? YES ☐ NO ☐

Report results in mg/L ☐ mg/Kg ☐ µg/L ☐

On Ice? Y

Temperature On Receipt 0.6

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| R. Melody | 12/11/13 | 8:15am | [signature] | 12/11/13 | 0815 |
| [signature] | 12/11/13 | 0910 | | | |
| | | | ~~Received at lab by~~ [signature] | 12/11/13 | 0910 |

# Chain of Custody Record (COC)

**MERITECH, INC.**
**ENVIRONMENTAL LABORATORIES**
*A Division of Water Technology and Controls, Inc.*

642 Tamco Rd.
Reidsville, NC 27320

Phone: 1-336-342-4748
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Raleigh NC, 27627
Attention: Gary Babb

NPDES#
Phone: (919) 325-0696
Fax:
Email: gbabb@nc.rr.com
Project # Seaboard
P. O. # Gary Babb

**Turn Around Time***
*RUSH work must have prior approval.

| Std (10 days) | 3 - 5 Day | 24 - 48 Hr |
|---|---|---|
| X | | |

Person Taking Sample (Signature):

| Sample Location/ID # | Sampling Dates & Times START Date | START Time | END Date | END Time | Comp? Grab? | # of Conts. | Tests Required | Required Method 200.8 / 200.7 | Lab Use Only pH OK? C12 OK? |
|---|---|---|---|---|---|---|---|---|---|
| MW-3C | 12/11/13 | 1533 | | | G | 4 | EPA Method 8260 + 1,4 Dioxane 04 | | |
| MW-6 | 12/11/13 | 11:26 | | | G | 4 | 05 | | |
| OW-DR2 | 12/11/13 | 1515 | | | G | 4 | 06 | | |
| OW-LFS2 | 12/11/13 | 1350 | | | G | 4 | 07 | | |
| PW-10I | 12/11/13 | 10:20 | | | G | 4 | 08 | | |
| PW-10D | 12/11/13 | 12:15 | | | G | 4 | 09 | | |
| SW-3 | 12/11/13 | 1306 | | | G | 4 | 10 | | |
| Trip Blank | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Compositor #
Jug #

***Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol or TKN samples must be done in the field prior to preservation.***

Comments:

**Method of Shipment:**
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other

Are these results for regulatory purposes? YES ☐ NO ☐

Report results in mg/L ☐ mg/Kg ☐ µg/L ☐

On Ice? Y

Temperature On Receipt 0.5

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| R. Weldy | 12/12/13 | 0810 | [illegible] | 12/12/13 | 0810 |
| [illegible] | 12/12/13 | 0848 | | | |
| | | | Received at lab by [illegible] | 12/12/13 | 0848 |

# Chain of Custody Record (COC)


**MERITECH, INC.**
**ENVIRONMENTAL LABORATORIES**
*A Division of Water Technology and Controls, Inc.*

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Client: Gary Babb
Address: Babb + Associates, P.A.
P.O. BOX 37697
Raleigh NC, 27627
Attention: Gary Babb

NPDES#
Phone: (919) 325-0696
Fax:
Email: gbabbonc.rr.com
Project # Seaboard
P. O. # Gary Babb

**Turn Around Time***
*RUSH work must have prior approval.

| Std (10 days) | 3 - 5 Day | 24 - 48 Hr |
|---|---|---|
| X | | |

Person Taking Sample (Signature):

| Sample Location/ID # | Sampling Dates & Times START Date | START Time | ~~END~~ Date | ~~END~~ Time | Comp? Grab? | # of Conts. | Tests Required | Required Method 200.8 / 200.7 | Lab Use Only pH OK? C12 OK? |
|---|---|---|---|---|---|---|---|---|---|
| MW-12D | 12/12/13 | 1515 | | | G | 4 | EPA Method 8260 + 1,4 Dioxane 03 | | |
| PW-14D | 12/12/13 | 12:40 | | | G | 4 | 04 | | |
| PW-15D | 12/12/13 | 11:56 | | | G | 4 | 05 | | |
| PW-16D | 12/12/13 | 11:03 | | | G | 4 | 06 | | |
| PW-18 | 12/12/13 | 9:57 | | | G | 4 | 07 | | |
| Trip Blank | | | | | | | | | |
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Compositor # _____
Jug # _____

***Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol or TKN samples must be done in the field prior to preservation.***

Comments:

**Method of Shipment:**
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other _____

Are these results for regulatory purposes? YES ☐ NO ☐

Report results in mg/L ☐ mg/Kg ☐ µg/L ☐

On Ice? Y

Temperature On Receipt 0.7

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12/13/13 | 1537 | [signature] | 12/13/13 | 1537 |
| [signature] | 12/16/13 | 0950 | | | |
| | | | Received at lab by [signature] | 12/16/13 | 0950 |

# Chain of Custody Record (COC)


**MERITECH, INC.**
**ENVIRONMENTAL LABORATORIES**
*A Division of Water Technology and Controls, Inc.*

642 Tamco Rd.
Reidsville, NC 27320

Phone: 1-336-342-4748
Fax: 1-336-342-1522
Email: srmrtech@bellsouth.net
Web Site: www.meritech-labs.com


Client: Gary Babb
Address: Babb + Associates, P.A.
P.O Box 37697
Raleigh, NC 27627
Attention: Gary Babb

NPDES#
Phone: (919) 325-0696
Fax:
Email: gbabbanc.rr.com
Project # Seaboard
P. O. # Gary Babb

**Turn Around Time***
*RUSH work must have prior approval.

| Std (10 days) | 3 - 5 Day | 24 - 48 Hr |
|---|---|---|
| X | | |

Person Taking Sample (Signature):

| Sample Location/ID # | Sampling Dates & Times START Date | START Time | ~~END~~ Date | ~~END~~ Time | Comp? Grab? | # of Conts. | Tests Required | Required Method 200.8 / 200.7 | Lab Use Only pH OK? C12 OK? |
|---|---|---|---|---|---|---|---|---|---|
| SW-4 | 12/13/13 | 10:25 | | | G | 4 | EPA Method 8620 + 1,4 Dioxane 08 | | |
| SW-DRP-2S | 12/13/13 | 11:55 | | | G | 4 | 09 | | |
| SW-DRP-2D | 12/13/13 | 11:37 | | | G | 4 | 10 | | |
| SW-7D | 12/13/13 | 12:48 | | | G | 4 | 11 | | |
| SW-7S | 12/13/13 | 1303 | | | G | 4 | 12 | | |
| SW-6D | 12/13/13 | 1414 | | | G | 4 | 13 | | |
| SW-6S | 12/13/13 | 1427 | | | G | 4 | 14 | | |
| Trip Blank | | | | | | | | | |
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| | | | | | | | | | |

Compositor #
Jug #

***Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol or TKN samples must be done in the field prior to preservation.***

Comments:

**Method of Shipment:**
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other

Are these results for regulatory purposes? YES ☐ NO ☐

Report results in mg/L ☐ mg/Kg ☐ µg/L ☐

On Ice? Y

Temperature On Receipt 0.5

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| R. Melby | 12/13/13 | 1537 | [illegible] | 12/13/13 | 1537 |
| [illegible] | 12/16/13 | 0950 | | | |
| | | | Received at lab by [illegible] | 12/16/13 | 0950 |

# Chain of Custody Record (COC)


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Email: srmrtech@bellsouth.net
Web Site: www.meritech-labs.com


Client: Gary Babb

Address: Babb + Associates, P.A.
P.O BOX 37697
Raleigh, NC 27627

Attention: Gary Babb

NPDES#
Phone: (919) 325-0696
Fax:
Email: gbabbonc.rr.com
Project # Seaboard
P. O. # Gary Babb

**Turn Around Time***
*RUSH work must have prior approval.

| Std (10 days) | 3 - 5 Day | 24 - 48 Hr |
|---|---|---|
| X | | |

Person Taking Sample (Signature):

| Sample Location/ID # | Sampling Dates & Times START Date | START Time | ~~END~~ Date | ~~END~~ Time | Comp? Grab? | # of Conts. | Tests Required | Required Method 200.8 / 200.7 | Lab Use Only pH OK? C12 OK? |
|---|---|---|---|---|---|---|---|---|---|
| PW-13I | 12-16-13 | 1300 | | | G | 4 | EPA Method 8260 + 1,4 Dioxane | 02 | |
| PW-5D | 12-16-13 | 10:08 | | | G | 4 | ↓ | 03 | |
| SW-DRP-11S | 12/16/13 | 11:05 | | | G | 4 | ↓ | 04 | |
| SW-DRP-11D | 12/16/13 | 10:58 | | | G | 4 | ↓ | 05 | |
| SW-5 | 12/16/13 | 1455 | | | G | 4 | ↓ | 06 | |
| Trip Blank | | | | | | | | | |
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Compositor #
Jug #

***Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol or TKN samples must be done in the field prior to preservation.***

Comments:

**Method of Shipment:**
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other

Are these results for regulatory purposes? YES ☐ NO ☐

Report results in mg/L ☐ mg/Kg ☐ µg/L ☐

On Ice? Y

Temperature On Receipt 2.6

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12/16/13 | 1531 | [signature] | 12/16/13 | 1531 |
| [signature] | 12/17/13 | 0925 | | | |
| | | | Received at lab by [signature] | 12/17/13 | 9:25 |

# Chain of Custody Record (COC)


**MERITECH, INC.**
**ENVIRONMENTAL LABORATORIES**
*A Division of Water Technology and Controls, Inc.*

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NPDES#
Phone (919) 325-0696
Fax:
Email: gbabb@nc.rr.com
Project # Seaboard
P. O. # Gary Babb

**Turn Around Time***
*RUSH work must have prior approval.

| Std (10 days) | 3 - 5 Day | 24 - 48 Hr |
|---|---|---|
| ☒ | ☐ | ☐ |

Person Taking Sample (Signature): [signature]

| Sample Location/ID # | Sampling Dates & Times START Date | START Time | END Date | END Time | Comp? Grab? | # of Conts. | Tests Required | Required Method 200.8 / 200.7 | Lab Use Only pH OK? C12 OK? |
|---|---|---|---|---|---|---|---|---|---|
| PW-4I | 12/17/13 | 8:35 | | | G | 4 | EPA Method 8260 + 1,4 Dioxane | | |
| PW-12I | 12/17/13 | 8:39 | | | G | 4 | 12 | | |
| PW-3D | 12/17/13 | 10:05 | | | G | 4 | 13 | | |
| W-4A | 12/17/13 | 10:20 | | | G | 4 | 14 | | |
| Trip Blank | | | | | | | | | |
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Compositor # _____
Jug # _____

***Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol or TKN samples must be done in the field prior to preservation.***

Comments:

**Method of Shipment:**
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other _____

Are these results for regulatory purposes? YES ☐ NO ☐

Report results in mg/L ☐ mg/Kg ☐ µg/L ☐

On Ice? Y

Temperature On Receipt 1.8

| Relinquished by | Date | Time | Received by | Date | Time |
|---|---|---|---|---|---|
| [signature] | 12/17/13 | 11:34 | [signature] | 12/17/13 | 1134 |
| [signature] | 12/17/13 | 1250 | | | |
| | | | Received at lab by [signature] | 12/17/13 | 1250 |

# Meritech, Inc.

## Environmental Laboratory

**Laboratory Certification No. 165**

Contact: Gary D. Babb
Client: Babb & Associates, P.A.
P.O. Box 37697
Raleigh, NC 27627

Report Date: 3/13/2014
Project #: Seaboard
P.O. # Gary Babb
Date Sample Rcvd: 2/25/2014

Meritech Work Order # 02251403 Sample: PW-18 Grab 2/25/14

| Parameters | Results | Analysis Date | Reporting Limit | | Method |
|---|---|---|---|---|---|
| 1,4 Dioxane | Attached | 3/12/14 | - | - | 8015 |

Meritech Work Order # 02251404 Sample: Trip Blank 2/25/14

| Parameters | Results | Analysis Date | Reporting Limit | | Method |
|---|---|---|---|---|---|
| 1,4 Dioxane | Attached | 3/12/14 | - | - | 8015 |

*I hereby certify that I have reviewed and approve these data.*

*Laboratory Representative*

**642 Tamco Road, Reidsville, North Carolina 27320**
**tel.(336)342-4748 fax.(336)342-1522**

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 02251403 |
| **Project:** | Seaboard | **Analysis:** | 03/12/14 |
| **Client Sample ID:** | PW-18 | **Extraction:** | 03/05/14 |
| **Sample Collection:** | 02/25/14 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

# MERITECH, INC.

## Environmental Laboratories

A Division of Water Technology and Controls, Inc.

| | | | |
|---|---|---|---|
| **Client:** | Gary Babb | **Meritech ID#:** | 02251404 |
| **Project:** | Seaboard | **Analysis:** | 03/12/14 |
| **Client Sample ID:** | Trip Blank | **Extraction:** | 03/05/14 |
| **Sample Collection:** | 02/25/14 | **Analyst:** | CL |
| | | **Dilution:** | N/A |

## Volatile Organics by EPA Method 5031/8015

Method Detection Limit = 2 ug/L

| Parameter | Result |
|---|---|
| 1,4 Dioxane | < 2.00 ug/L |

I hereby certify that I have reviewed and approve these data.

Laboratory Representative

642 Tamco Road * Reidsville, NC 27320
(336) 342-4748 Ph * (336) 342-1522 Fax

3-20-2013

Chain of Custody Record (COC)

# MERITECH, INC.

**ENVIRONMENTAL LABORATORIES**

642 Tamco Rd. Phone: 336-342-4748

Reidsville NC 27320 Fax: 336-342-1522

Email: info@meritech-labs.com

www.meritech-labs.com

Client: Gary Babb

Address: Babb + Associates, P.A
P.O Box 37697
Raleigh, NC, 27627

Attention: Gary Babb

NPDES#:

Phone (919) 325-0696

Fax:

Email: gbabb@nc.rr.com

Project: Seaboard

P.O.#: Gary Babb

**Turn Around Time***
***RUSH** work needs prior approval.

| Std (10 days) | 3 - 5 Days | 24 - 48 Hrs |
|---|---|---|
| X | | |

How would you like your report sent?

Circle all that apply: Email (preferred), Fax, Mail

Person Taking Sample (Sign/Print): Robert Weldy R. Weldy

| Sample Location and/or ID # | Sampling Dates & Times: Start Date | Start Time | ~~End~~ Date | ~~End~~ Time | Comp? Grab? | # of Cont. | Test(s) Required | Lab Use Only: On Ice? Yes / No | pH OK? Cl OK? |
|---|---|---|---|---|---|---|---|---|---|
| ~~PW-18~~ RW | | | | | | | | | |
| PW-18 | 2/25/14 | 10:10 | | | G | 1 | 1,4 Dioxane 03 | | |
| Trip Blank | | | | | | | ↓ ↓ 04 ~~03A~~ | | |
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Temperature Upon Receipt: 2.7

Compositor #

Jug #

*** Dechlorination (<0.5 ppm) of Ammonia, Cyanide, Phenol and TKN samples must be done in the field prior to preservation. ***

Comments:

Method of Shipment:
- ☐ UPS
- ☐ Fed Ex
- ☒ Hand Delivery
- ☐ Other

Are these results for regulatory purposes? Yes ☐ No ☐

Report results in: mg/L ☐ mg/kg ☐ ug/L ☐

| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
|---|---|---|---|---|---|
| [signature] | 2-25-14 | 14:00 | | | |
| | | | | | |
| | | | Received by Lab: [signature] | 2/25/14 | 2:00 |