

**SUMMARY REPORT
188 BANYAN DRIVE (FORMERLY 132 BANYAN DRIVE)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC**

**Revision: 0
Prepared for:**

**Department of the Navy
Naval Facilities Engineering Command, Mid-Atlantic
9324 Virginia Avenue
Norfolk, Virginia 23511-3095**

and



**Naval Facilities Engineering Command Atlantic
9324 Virginia Avenue
Norfolk, Virginia 23511-3095**

JUNE 2021

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List of Acronyms

| | |
|-----------------|---|
| bgs | below ground surface |
| BTEX | benzene, toluene, ethylbenzene, and xylenes |
| CTO | Contract Task Order |
| COPC | constituents of potential concern |
| ft | feet |
| IDIQ | Indefinite Delivery, Indefinite Quantity |
| IGWA | Initial Groundwater Assessment |
| JV | Joint Venture |
| LBMH | Laurel Bay Military Housing |
| LTM | long-term monitoring |
| MCAS | Marine Corps Air Station |
| NAVFAC Mid-Lant | Naval Facilities Engineering Command Mid-Atlantic |
| NFA | No Further Action |
| PAH | polynuclear aromatic hydrocarbon |
| QAPP | Quality Assurance Program Plan |
| RBSL | risk-based screening level |
| SCDHEC | South Carolina Department of Health and Environmental Control |
| Site | LBMH area at MCAS Beaufort, South Carolina |
| UFP SAP | Uniform Federal Policy Sampling and Analysis Plan |
| USEPA | United States Environmental Protection Agency |
| UST | underground storage tank |
| VI | vapor intrusion |
| VISL | vapor intrusion screening level |

1.0 INTRODUCTION

The CDM - AECOM Multimedia Joint Venture (JV) was contracted by the Naval Facilities Engineering Command, Mid-Atlantic (NAVFAC Mid-Lant) to provide reporting services for the heating oil underground storage tanks (USTs) located in Laurel Bay Military Housing (LBMH) area at the Marine Corps Air Station (MCAS) Beaufort, South Carolina (Site). This work has been awarded under Contract Task Order (CTO) WE52 of the Indefinite Delivery, Indefinite Quantity (IDIQ) Multimedia Environmental Compliance Contract (Contract No. N62470-14-D-9016).

As of January 2014, the LBMH addresses were re-numbered to comply with the E-911 emergency response addressing system; however, in order to remain consistent with historical sampling and reporting for LBMH area, the residences will continue to be referenced with their original address numbers in sample nomenclature and reporting documents.

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, long-term monitoring (LTM) was approved by the South Carolina Department of Health and Environmental Control (SCDHEC) for 188 Banyan Drive (Formerly 132 Banyan Drive) in order to monitor groundwater impacts from the former heating oil USTs. LTM consists of annual groundwater sampling and is currently being conducted at the referenced property. The following information is included in this report:

- Background information;
- Sampling activities and results; and
- A determination of the property status.

1.1 Background Information

The LBMH area is located approximately 3.5 miles west of MCAS Beaufort. The area is approximately 970 acres in size and serves as an enlisted and officer family housing area. The area is configured with single family and duplex residential structures, and includes recreation, open space, and community facilities. The community includes approximately 1,300 housing units, including legacy Capehart style homes and newer duplex style homes. The housing area is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.

Capehart style homes within the LBMH area were formerly heated using heating oil stored in USTs at each residence. There were 1,100 Capehart style housing units in the LBMH area. The newer duplex homes within the LBMH area never utilized heating oil tanks. Heating oil has not been used at Laurel Bay since the mid-1980s. As was the accepted practice at the time, USTs were drained, filled with dirt, capped, and left in place when they were removed from service. Residential USTs are not regulated in the State of South Carolina (i.e., there are no federal or state laws governing installation, management, or removal).

In 2007, MCAS Beaufort began a voluntary program to remove the unregulated, residential heating oil USTs and conduct sampling activities to determine if, and to what extent, petroleum constituents may have impacted the surrounding environment. MCAS Beaufort coordinated with the SCDHEC to develop removal procedures that were consistent with procedural requirements for regulated USTs. All tank removal activities and follow-on actions are conducted in coordination with SCDHEC. To date, all known USTs have been removed from all residential properties within the LBMH area.

1.2 UST Removal and Assessment Process

During the UST removal process, a soil sample was collected from beneath the UST excavations (approximately 4 to 6 feet [ft] below ground surface [bgs]) and analyzed for a predetermined list of constituents of potential concern (COPCs) associated with the petroleum compounds found in home heating oil. These COPCs, derived from the *Quality Assurance Program Plan (QAPP) for the Underground Storage Tank Management Division, Revision 3.1* (SCDHEC, 2016) and the *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, (SCDHEC, 2018), are as follows:

- benzene, toluene, ethylbenzene, and xylenes (BTEX),
- naphthalene, and
- five select polynuclear aromatic hydrocarbon (PAHs): benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and dibenz(a,h)anthracene.

Soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form. In accordance with SCDHEC's *QAPP for the UST Management Division* (SCDHEC, 2016), the soil screening levels consists of SCDHEC risk-based screening levels (RBSLs). It should be noted that the RBSLs for select PAHs were revised in Revision 2.0 of the QAPP (SCDHEC, 2013) and were revised again in Revision 3.0 (SCDHEC, 2015). The screening levels

used for evaluation at each site were those levels that were in effect at the time of reporting and review by SCDHEC.

The results of the soil sampling at each former UST location were used to determine if a potential for groundwater contamination exists (i.e., soil results greater than RBSLs) and subsequently to select properties for follow-up initial groundwater assessment (IGWA) sampling. The IGWA sampling process utilizes temporary groundwater sampling points that are typically installed and sampled within the same day. The intent of the sampling point is to determine the presence or absence of the aforementioned COPCs in groundwater and identify whether former UST locations may require additional delineation of COPCs in groundwater. These sampling points are not subjected to the same installation standards as permanent monitoring wells and, as such; the data obtained from the IGWA wells can sometimes be biased high and is considered preliminary data. In order to confirm the presence of any impact to groundwater, a permanent well is installed where IGWA sampling has indicated the presence of COPCs is in excess of the SCDHEC RBSLs for groundwater. If COPCs are found to be present in the permanent well, additional permanent wells are installed to delineate the extent of impact to groundwater and a sampling program (LTM) is established. Groundwater analytical results from permanent wells are also compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion and the necessity for an investigation associated with this media. A multi-media investigation selection process tree, applicable to the LBMH UST investigations, is presented as Appendix A.

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 188 Banyan Drive (Formerly 132 Banyan Drive). The sampling activities at 188 Banyan Drive (Formerly 132 Banyan Drive) comprised a soil investigation, IGWA sampling, installation and sampling of four permanent monitoring wells, LTM sampling, and a vapor intrusion (VI) investigation. Details regarding the soil investigation at this site are provided in the *SCDHEC UST Assessment Report – 132 Banyan Drive* (MCAS Beaufort, 2009). The UST Assessment Report is provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015). The laboratory report that includes the pertinent IGWA analytical results for this site is presented in Appendix C. Details regarding the permanent well installations and initial sampling activities at this site are provided in the *Groundwater Assessment Report – November and December 2018 and April 2019* (CDM-AECOM Multimedia JV, 2019). The laboratory reports that includes the pertinent groundwater

analytical results for this site are presented in Appendix D. Details regarding the LTM activities to date at this site are provided in the *2019 Groundwater Monitoring Report* (Resolution Consultants, 2019). A comprehensive table of the historical groundwater analytical results for all permanent monitoring wells at the site through 2019 is presented in Appendix E. Details regarding the VI investigation at this site are provided in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018). The laboratory reports that include the pertinent soil gas analytical results for this site are presented in Appendix F.

2.1 UST Removal and Soil Sampling

On March 5, 2009, two 280 gallon heating oil USTs were removed from 188 Banyan Drive (Formerly 132 Banyan Drive). Tank 1 was removed from the front landscaped area, adjacent to the house. Tank 2 was removed from the front grassed area, adjacent to the front sidewalk. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The USTs were removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removals. According to the UST Assessment Report (Appendix B), the depths to the bases of the USTs were 5'1" bgs (Tank 1) and 3'2" bgs (Tank 2) and a single soil sample was collected for each tank from that depth. The samples were collected from the fill port side of the former USTs to represent a worst case scenario and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment guidelines.

2.2 Soil Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 1. A copy of the laboratory analytical data report is included in the UST Assessment Report presented in Appendix B. The laboratory analytical data report includes the soil results for the additional PAHs that were analyzed, but do not have associated RBSLs.

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or No Further Action [NFA]) for the property.

The soil results collected from the former UST locations (Tanks 1 and 2) at 188 Banyan Drive (Formerly 132 Banyan Drive) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated May 15, 2009, SCDHEC requested an IGWA for 188 Banyan Drive (Formerly 132 Banyan Drive) to determine if the groundwater was impacted by petroleum COPCs. SCDHEC's request letter is provided in Appendix G.

2.3 Initial Groundwater Sampling

On July 19, 2013, a single temporary monitoring well was installed at 188 Banyan Drive (Formerly 132 Banyan Drive), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil USTs (Tanks 1 and 2). The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporary monitoring well. Following well installation and development, a groundwater sample was collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – July 2013* (Resolution Consultants, 2015).

2.4 Initial Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 2. A copy of the laboratory analytical data report is included in Appendix C.

The groundwater results collected from 188 Banyan Drive (Formerly 132 Banyan Drive) were greater than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated further investigation was required. In a letter dated August 6, 2015, SCDHEC requested a permanent well be installed for 188 Banyan Drive (Formerly 132 Banyan Drive) to confirm the impact to groundwater detected in the temporary well sample. SCDHEC's request letter is provided in Appendix G.

2.5 Permanent Well Groundwater Sampling

In November 2015, four permanent monitoring wells were installed at 188 Banyan Drive (Formerly 132 Banyan Drive), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, a permanent monitoring well, MW01, was placed in the same general location as the former heating oil USTs (Tanks 1 and 2) and the IGWA sample location. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Three additional permanent wells (MW02, MW03 and MW04) were also installed around the property at 188 Banyan Drive (Formerly 132 Banyan Drive) to delineate potential contamination. Further details are provided in the *Groundwater Assessment Report – November and December 2015* (Resolution Consultants, 2016).

The sampling strategy for this phase of the investigation required an initial sampling event of the permanent monitoring wells. Following well installation and development, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Field forms are provided in the *Groundwater Assessment Report – November and December 2015* (Resolution Consultants, 2016).

2.6 Permanent Well Groundwater Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 3. A copy of the laboratory analytical data reports are included in Appendix D.

The groundwater results collected from 188 Banyan Drive (Formerly 132 Banyan Drive) at MW01 were greater than the SCDHEC RBSLs (Table 3), which indicated that further investigation was required. In a letter dated July 21, 2016, SCDHEC requested that LTM be carried out for 188 Banyan Drive (Formerly 132 Banyan Drive) to continue to monitor the impact to groundwater detected in the permanent well sample (MW01). SCDHEC's request letter is provided in Appendix G.

2.7 Long Term Monitoring

The LTM program at 188 Banyan Drive (Formerly 132 Banyan Drive) consists of annual groundwater sampling at the four permanent monitoring wells. LTM sampling activities have been conducted annually since 2016 at the referenced site. The latest groundwater sampling details are provided in the *2019 Groundwater Monitoring Report* (Resolution Consultants, 2019).

The sampling strategy for this phase of the investigation required annual LTM sampling of the permanent wells until an optimized monitoring strategy (e.g., reduced COPCs, reduced sampling frequency, reduce number of wells, etc.) or NFA determination could be made for the site. During each LTM sampling event, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. In 2019, groundwater samples were collected from 188 Banyan Drive (Formerly 132 Banyan Drive) and analyzed for benzene and naphthalene only. The remaining petroleum COPCs (ethylbenzene, toluene, xylenes, and select PAHs) were previously removed from the LTM program for 188 Banyan Drive (Formerly 132 Banyan Drive) since they have not been detected at concentrations above the applicable RBSLs in groundwater at any of the monitoring well locations. Field forms from the most recent sampling event in February and March 2019 are provided in the *2019 Groundwater Monitoring Report* (Resolution Consultants, 2019).

2.8 Long Term Monitoring Analytical Results

A summary of the laboratory analytical results and SCDHEC RBSLs is presented in Table 4. A comprehensive table of the historical groundwater analytical results for all permanent monitoring wells at the site through 2019 is presented in Appendix E. The associated laboratory analytical data reports are located in each of the annual LBMH groundwater monitoring reports.

The groundwater results collected from 188 Banyan Drive (Formerly 132 Banyan Drive) from at least one of the monitoring wells were greater than the SCDHEC RBSLs and/or the site specific groundwater VISLs (Table 4) during the 2016, 2017, 2018 and 2019 groundwater sampling events. This indicated LTM was required to continue at the property to further assess the impact in groundwater by COPCs associated with the former USTs at concentrations that may present a potential risk to human health and the environment. In a letter dated December 17, 2019, SCDHEC approved continuing LTM at 188 Banyan Drive (Formerly 132 Banyan Drive) in order to monitor groundwater impacts from the former heating oil USTs. SCDHEC's approval letter is provided in Appendix G.

LTM will continue at this property until COPC concentrations in groundwater sampled from all permanent monitoring wells are less than the SCDHEC RBSLs for three or more consecutive sampling events.

2.9 Soil Gas Sampling

On May 2, 2017, two temporary subsurface soil gas wells were attempted to be installed at 188 Banyan Drive (Formerly 132 Banyan Drive) in accordance with the SCDHEC approved *Uniform Federal Policy Sampling and Analysis Plan (UFP SAP) for Vapor Media, Revision 4* (Resolution Consultants, 2017). A near-slab subsurface soil gas well was placed near the house slab and in the same general location as the former heating oil UST (Tank 1). A subsurface soil gas well was attempted to be placed in the same general location as the former heating oil UST (Tank 2) and MW01; however, it was unable to be installed due to shallow groundwater at the location. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018).

On July 10, 2017, a temporary sub-slab vapor point was installed at 188 Banyan Drive (Formerly 132 Banyan Drive) in accordance with the SCDHEC approved *UFP SAP for Vapor Media, Revision 4* (Resolution Consultants, 2017). The sub-slab vapor point was placed under the house slab. Further details are provided in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018).

The sampling strategy for this phase of the investigation required a one-time sampling event of the subsurface soil gas wells and sub-slab vapor point. The subsurface soil gas well near the former heating oil UST (Tank 1) was sampled on May 9, 2017. The sub-slab vapor point at 188 Banyan Drive (Formerly 132 Banyan Drive) was sampled on July 10, 2017. Soil gas samples were collected and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of soil gas sampling, the temporary subsurface soil gas well and sub-slab vapor point were abandoned in accordance with the *UFP SAP for Vapor Media, Revision 4* (Resolution Consultants, 2017). Field forms are provided in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018).

2.10 Soil Gas Analytical Results

A summary of the laboratory analytical results and United States Environmental Protection Agency (USEPA) VISLs is presented in Table 5. A copy of the laboratory analytical data reports are included in Appendix F.

The soil gas results collected from the near-slab soil gas well at 188 Banyan Drive (Formerly 132 Banyan Drive) were above the USEPA VISLs, which indicated that additional investigation was

required. The soil gas results collected from the sub-slab vapor point at 188 Banyan Drive (Formerly 132 Banyan Drive) were below the USEPA VISLs, which indicated that the sub-slab soil gas were not impacted by COPCs associated with the former UST at concentrations that present a potential risk to human health and the environment.

3.0 PROPERTY STATUS

Based on the analytical results for groundwater collected from the permanent monitoring wells, LTM is required to continue at 188 Banyan Drive (Formerly 132 Banyan Drive) to further assess the impact in groundwater by COPCs associated with the former USTs. Groundwater monitoring results for this site beyond 2019 will be available on the Laurel Bay Health Study website, which is located at: <https://www.beaufort.marines.mil/Resources/Laurel-Bay-Health-Study/>. Based on the analytical results for soil gas from the sub-slab soil gas sample, it was determined that there was not a VI concern at this property and a recommendation was made for no additional VI assessment activities. SCDHEC approved the no further VI investigation recommendation for 188 Banyan Drive (Formerly 132 Banyan Drive) in a letter dated August 29, 2018. SCDHEC's letter is provided in Appendix G.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2009. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 132 Banyan Drive, Laurel Bay Military Housing Area*, April 2009.

Resolution Consultants, 2015. *Initial Groundwater Investigation Report – July 2013 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, June 2015.

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United States Environmental Protection Agency, 2018. *USEPA OSWER Vapor Intrusion Assessment, Vapor Intrusion Screening Level Calculator*, May 2018.

Tables

Table 1
Laboratory Analytical Results - Soil
188 Banyan Drive (Formerly 132 Banyan Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

| Constituent | SCDHEC RBSLs ⁽¹⁾ | Results Samples Collected 03/05/09 | |
|--|-----------------------------|---------------------------------------|----------------|
| | | 132 Banyan - 1 | 132 Banyan - 2 |
| Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg) | | | |
| Benzene | 0.003 | ND | 0.00661 |
| Ethylbenzene | 1.15 | 0.0551 | 0.0394 |
| Naphthalene | 0.036 | 4.45 | 0.186 |
| Toluene | 0.627 | ND | ND |
| Xylenes, Total | 13.01 | 0.0350 | 0.0487 |
| Semivolatile Organic Compounds Analyzed by EPA Method 8270C (mg/kg) | | | |
| Benzo(a)anthracene | 0.066 | 0.739 | ND |
| Benzo(b)fluoranthene | 0.066 | 0.676 | ND |
| Benzo(k)fluoranthene | 0.066 | 0.418 | ND |
| Chrysene | 0.066 | 0.703 | ND |
| Dibenz(a,h)anthracene | 0.066 | ND | ND |

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 1.0 (SCDHEC, May 2001).

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL.

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The soil laboratory report is provided in Appendix B.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Initial Groundwater
188 Banyan Drive (Formerly 132 Banyan Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

| Constituent | SCDHEC RBSLs ⁽¹⁾ | Site-Specific Groundwater VISLs ⁽²⁾ | Results Sample Collected 07/19/13 |
|---|-----------------------------|--|-----------------------------------|
| Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L) | | | |
| Benzene | 5 | 16.24 | 1.4 |
| Ethylbenzene | 700 | 45.95 | 8.7 |
| Naphthalene | 25 | 29.33 | 29 |
| Toluene | 1000 | 105,445 | ND |
| Xylenes, Total | 10,000 | 2,133 | 14 |
| Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L) | | | |
| Benzo(a)anthracene | 10 | NA | ND |
| Benzo(b)fluoranthene | 10 | NA | ND |
| Benzo(k)fluoranthene | 10 | NA | ND |
| Chrysene | 10 | NA | ND |
| Dibenz(a,h)anthracene | 10 | NA | ND |

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 2.0 (SCDHEC, April 2013).

⁽²⁾ Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of 1×10^{-6} , a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - not applicable

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix C.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Table 3
Laboratory Analytical Results - Permanent Monitoring Well Groundwater
188 Banyan Drive (Formerly 132 Banyan Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

| Constituent | SCDHEC RBSLs ⁽¹⁾ | Site-Specific Groundwater VISLs ⁽²⁾ | Results Samples Collected 12/15/15 | | | |
|---|-----------------------------|--|------------------------------------|-------------|------|-------------|
| | | | MW01 | MW02 | MW03 | MW04 |
| Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L) | | | | | | |
| Benzene | 5 | 16.24 | 7.9 | 0.50 | ND | ND |
| Ethylbenzene | 700 | 45.95 | 42 | ND | ND | ND |
| Naphthalene | 25 | 29.33 | 150 | 2.8 | ND | 0.47 |
| Toluene | 1000 | 105,445 | ND | ND | ND | ND |
| Xylenes, Total | 10,000 | 2,133 | 39 | ND | ND | ND |
| Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L) | | | | | | |
| Benzo(a)anthracene | 10 | NA | ND | ND | ND | ND |
| Benzo(b)fluoranthene | 10 | NA | ND | ND | ND | ND |
| Benzo(k)fluoranthene | 10 | NA | ND | ND | ND | ND |
| Chrysene | 10 | NA | ND | ND | ND | ND |
| Dibenz(a,h)anthracene | 10 | NA | ND | ND | ND | ND |

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.0 (SCDHEC, May 2015).

⁽²⁾ Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of 1×10^{-6} , a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - not applicable

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The groundwater laboratory report is provided in Appendix D.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Table 4
Laboratory Analytical Results - Long Term Monitoring
188 Banyan Drive (Formerly 132 Banyan Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

| Constituent | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a) anthracene | Benzo(b) fluoranthene | Benzo(k) fluoranthene | Chrysene | Dibenz(a,h) anthracene |
|---|-------------|--------------|-------------|-------------|---------|---------------------|-----------------------|-----------------------|----------|------------------------|
| SCDHEC RBSLs ⁽¹⁾ (µg/L) | 5 | 700 | 25 | 1000 | 10,000 | 10 | 10 | 10 | 10 | 10 |
| Site-Specific Groundwater VISLs ⁽²⁾ (µg/L) | 16.24 | 45.95 | 29.33 | 105,445 | 2,133 | N/A | N/A | N/A | N/A | N/A |
| Well ID | Sample Date | | | | | | | | | |
| BEALB132MW01 | 12/15/2015 | 7.9 | 42 | 150 | ND | 39 | ND | ND | ND | ND |
| | 7/29/2016 | 30 | 78 | 200 | ND | 60 | ND | ND | ND | ND |
| | 6/15/2017 | 17 | 52 | 150 | ND | 33 | 0.050 | ND | ND | ND |
| | 1/19/2018 | 33 | NA | 310 | NA | NA | NA | NA | NA | NA |
| | 3/19/2019 | 22 | NA | 160 | NA | NA | NA | NA | NA | NA |
| BEALB132MW02 | 12/15/2015 | 0.50 | ND | 2.8 | ND | ND | ND | ND | ND | ND |
| | 7/29/2016 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2017 | ND | ND | 1.2 | ND | ND | 0.041 | ND | ND | ND |
| | 1/19/2018 | ND | NA | 0.99 | NA | NA | NA | NA | NA | NA |
| | 3/19/2019 | 0.47 | NA | 2.1 | NA | NA | NA | NA | NA | NA |
| BEALB132MW03 | 12/15/2015 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 7/29/2016 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2017 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 1/19/2018 | ND | NA | ND | NA | NA | NA | NA | NA | NA |
| | 3/19/2019 | ND | NA | ND | NA | NA | NA | NA | NA | NA |
| BEALB132MW04 | 12/15/2015 | ND | ND | 0.47 | ND | ND | ND | ND | ND | ND |
| | 7/29/2016 | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | 6/14/2017 | ND | ND | ND | ND | ND | 0.13 | ND | ND | 0.080 |
| | 1/19/2018 | ND | NA | ND | NA | NA | NA | NA | NA | NA |
| | 3/19/2019 | ND | NA | ND | NA | NA | NA | NA | NA | NA |

Notes:

⁽¹⁾ South Carolina Risk-Based Screening Levels from the Quality Assurance Program Plan for the Underground Storage Tank Management Division, Revision 3.1 (SCDHEC, February 2016).

⁽²⁾ Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of 1×10^{-6} , a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.

JE - Johnson & Ettinger

N/A - not applicable

NA - not analyzed

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). A comprehensive table of the historical groundwater analytical results for all permanent monitoring wells at the site through 2019 is presented in Appendix E.

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Table 5
Laboratory Analytical Results - Vapor
188 Banyan Drive (Formerly 132 Banyan Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

| Constituent | USEPA VISL ⁽¹⁾ | Soil Gas Results Samples Collected 05/09/17 and 07/10/17 | |
|---|---------------------------|---|------------------|
| | | NS01 05/09/17 | SS01 07/10/17 |
| Volatile Organic Compounds Analyzed by USEPA Method TO-15 (µg/m³) | | | |
| Benzene | 12 | ND | 0.72 |
| Toluene | 17000 | ND | 6.3 |
| Ethylbenzene | 37 | 46 | 2.6 |
| m,p-Xylenes | 350 | 120 | 5.3 |
| o-Xylene | 350 | ND | 2.6 |
| Naphthalene | 2.8 | ND | 0.82 |

Notes:

⁽¹⁾ United States Environmental Protection Agency Exterior Soil Gas Vapor Intrusion Screening Level (VISL) from VISL Calculator (May 2018).

VISLs are based on a residual exposure scenario and a target risk level of 1x10⁻⁶ and a hazard quotient of 0.1.

Bold font indicates the analyte was detected.

Bold font and shading indicates the concentration exceeds the residential VISL.

USEPA - United States Environmental Protection Agency

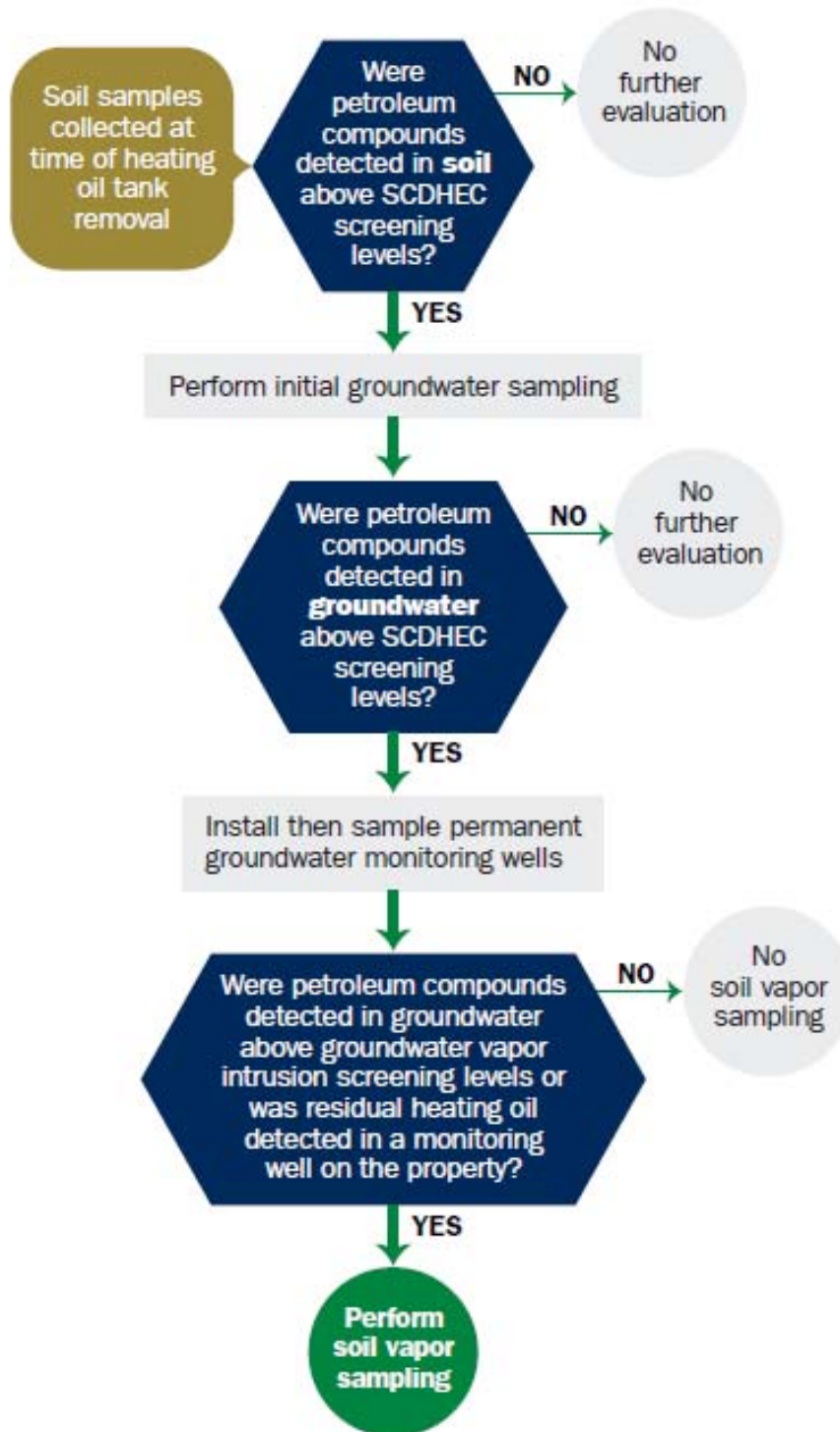
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The vapor laboratory report is provided in Appendix F.

RBSL - Risk-Based Screening Level

µg/m³ - micrograms per cubic meter

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

04183

Attachment 1

South Carolina Department of Health and Environmental Control (SCDHEC)
Underground Storage Tank (UST) Assessment Report

| |
|---|
| Date Received State Use Only |
|---|

Submit Completed Form To:
UST Program
SCDHEC
2600 Bull Street
Columbia, South Carolina 29201
Telephone (803) 896-7957

RECEIVED

APR 24 2009

SITE ASSESSMENT,
REMEDICATION &
REVITALIZATION

I. OWNERSHIP OF UST (S)

| | | |
|--|------------------|----------------|
| MCAS Beaufort, Commanding Officer Attn: NREAO (Craig Ehde) | | |
| Owner Name (Corporation, Individual, Public Agency, Other) | | |
| P.O. Box 55001 | | |
| Mailing Address | | |
| Beaufort, | South Carolina | 29904-5001 |
| City | State | Zip Code |
| 843 | 228-7317 | Craig Ehde |
| Area Code | Telephone Number | Contact Person |

II. SITE IDENTIFICATION AND LOCATION

| | |
|--|----------|
| Permit I.D. # | |
| Laurel Bay Military Housing Area, Marine Corps Air Station, Beaufort, SC | |
| Facility Name or Company Site Identifier | |
| 132 Banyan Street, Laurel Bay Military Housing Area | |
| Street Address or State Road (as applicable) | |
| Beaufort, | Beaufort |
| City | County |

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

The petroleum release reported to DHEC on _____ at Permit ID Number _____ may qualify to receive state monies to pay for appropriate site rehabilitation activities. Before participation is allowed in the State Clean-up fund, written confirmation of the existence or non-existence of an environmental insurance policy is required. **This section must be completed.**

Is there now, or has there ever been an insurance policy or other financial mechanism that covers this UST release? **YES** ___ **NO** ___ (check one)

If you answered **YES** to the above question, please complete the following information:

My policy provider is: _____
The policy deductible is: _____
The policy limit is: _____

If you have this type of insurance, please include a copy of the policy with this report.

IV. REQUEST FOR SUPERB FUNDING

I **DO / DO NOT** wish to participate in the SUPERB Program. (Circle one.)

V. CERTIFICATION (To be signed by the UST owner)

I certify that I have personally examined and am familiar with the information submitted in this and all attached documents; and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

Notary Public for the state of _____.
Please affix State seal if you are commissioned outside South Carolina

VI. UST INFORMATION

- A. Product...(ex. Gas, Kerosene).....
- B. Capacity..(ex. 1k, 2k).....
- C. Age.....
- D. Construction Material..(ex. Steel, FRP).....
- E. Month/Year of Last Use.....
- F. Depth (ft.) To Base of Tank.....
- G. Spill Prevention Equipment Y/N.....
- H. Overfill Prevention Equipment Y/N.....
- I. Method of Closure Removed/Filled.....
- J. Date Tanks Removed/Filled.....
- K. Visible Corrosion or Pitting Y/N.....
- L. Visible Holes Y/N.....

| 132Banyan-1 | | 132Banyan-2 | |
|-------------|--|-------------|--|
| heating oil | | heating oil | |
| 280 gal | | 280 gal | |
| Late 1950s | | Late 1950s | |
| steel | | steel | |
| Mid 1980s | | Mid 1980s | |
| 5'1" | | 3'2" | |
| No | | No | |
| No | | No | |
| Removed | | Removed | |
| 3/5/09 | | 3/5/09 | |
| yes | | yes | |
| yes | | yes | |

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 132Banyan-1 was removed from the ground, cleaned, cut up and the steel re-cycled.
UST 132Banyan-2 was disposed of at a Subtitle D landfill. See Attachment "A" for manifests.
- N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Waste water from 132Banyan-1 was pumped out and disposed of by MCAS.
- O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Holes and pitting were located along end seams.

VII. PIPING INFORMATION

| | 132Banyan-1 | 132Banyan-2 | |
|---|---------------|---------------|--|
| A. Construction Material..(ex. Steel, FRP)..... | Steel /Copper | Steel /Copper | |
| B. Distance from UST to Dispenser..... | N/A | N/A | |
| C. Number of Dispensers..... | N/A | N/A | |
| D. Type of System Pressure or Suction..... | Suction | Suction | |
| E. Was Piping Removed from the Ground? Y/N | No* | No* | |
| F. Visible Corrosion or Pitting Y/N..... | yes | yes | |
| G. Visible Holes Y/N..... | No | No | |
| H. Age..... | Early 1950s | Early 1950s | |

I. If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.

A coating of external rust was noted on the steel piping.

VIII. BRIEF SITE DESCRIPTION AND HISTORY

The USTs at the residences are constructed of single wall steel and formerly contained fuel oil for heating. These USTs were installed in the late 1950s and last used in the mid 1980s.

*Piping was cut & capped at the edge of the excavation.

IX. SITE CONDITIONS

| | Yes | No | Unk |
|--|-----|----|-----|
| <p>A. Were any petroleum-stained or contaminated soils found in the UST excavation, soil borings, trenches, or monitoring wells?</p> <p>If yes, indicate depth and location on the site map.</p> | | X | |
| <p>B. Were any petroleum odors detected in the excavation, soil borings, trenches, or monitoring wells? Mild odor emitted from excavation of both tanks.</p> <p>If yes, indicate location on site map and describe the odor (strong, mild, etc.)</p> | X | | |
| <p>C. Was water present in the UST excavation, soil borings, or trenches?</p> <p>If yes, how far below land surface (indicate location and depth)?</p> | | X | |
| <p>D. Did contaminated soils remain stockpiled on site after closure?</p> <p>If yes, indicate the stockpile location on the site map.</p> <p>Name of DHEC representative authorizing soil removal:</p> | | X | |
| <p>E. Was a petroleum sheen or free product detected on any excavation or boring waters?</p> <p>If yes, indicate location and thickness.</p> | | X | |

XI. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect and store the samples. Also include the preservative used for each sample. Please use the space provided below.

Sampling was performed in accordance with SC DHEC R.61-92 Part 280 and SC DHEC Assessment Guidelines. Sample containers were prepared by the testing laboratory. The grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Soil samples were extracted from area below tank. The samples were marked, logged, and immediately placed in a sample cooler packed with ice to maintain an approximate temperature of 4 degrees Centigrade. Tools were thoroughly cleaned and decontaminated with the seven step decon process after each use. The samples remained in custody of SBG-EEG, Inc. until they were transferred to Test America Incorporated for analysis as documented in the Chain of Custody Record.

XII. RECEPTORS

| | Yes | No |
|---|-----|----|
| <p>A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system?</p> <p>If yes, indicate type of receptor, distance, and direction on site map.</p> | X | |
| <p>B. Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system?</p> <p>If yes, indicate type of well, distance, and direction on site map.</p> | | X |
| <p>C. Are there any underground structures (e.g., basements) Located within 100 feet of the UST system?</p> <p>If yes, indicate type of structure, distance, and direction on site map.</p> | | X |
| <p>D. Are there any underground utilities (e.g., telephone, electricity, gas, water, sewer, storm drain) located within 100 feet of the UST system that could potentially come in contact with the contamination? *Sewer, water, electricity, cable, fiber optic</p> <p>If yes, indicate the type of utility, distance, and direction on the site map.</p> | X* | |
| <p>E. Has contaminated soil been identified at a depth less than 3 feet below land surface in an area that is not capped by asphalt or concrete?</p> <p>If yes, indicate the area of contaminated soil on the site map.</p> | | X |

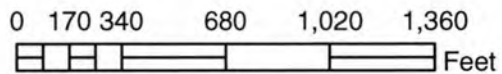
XIII. SITE MAP

You must supply a scaled site map. It should include all buildings, road names, utilities, tank and dispenser island locations, labeled sample locations, extent of excavation, and any other pertinent information.

(Attach Site Map Here)



132 Banyan



SBG-EEG, Inc.

Small Business Group, Inc.
10179 Hwy 78
Ladson, SC 29456

Ph. (843) 879-0400

Drawn By: L. DiAsio

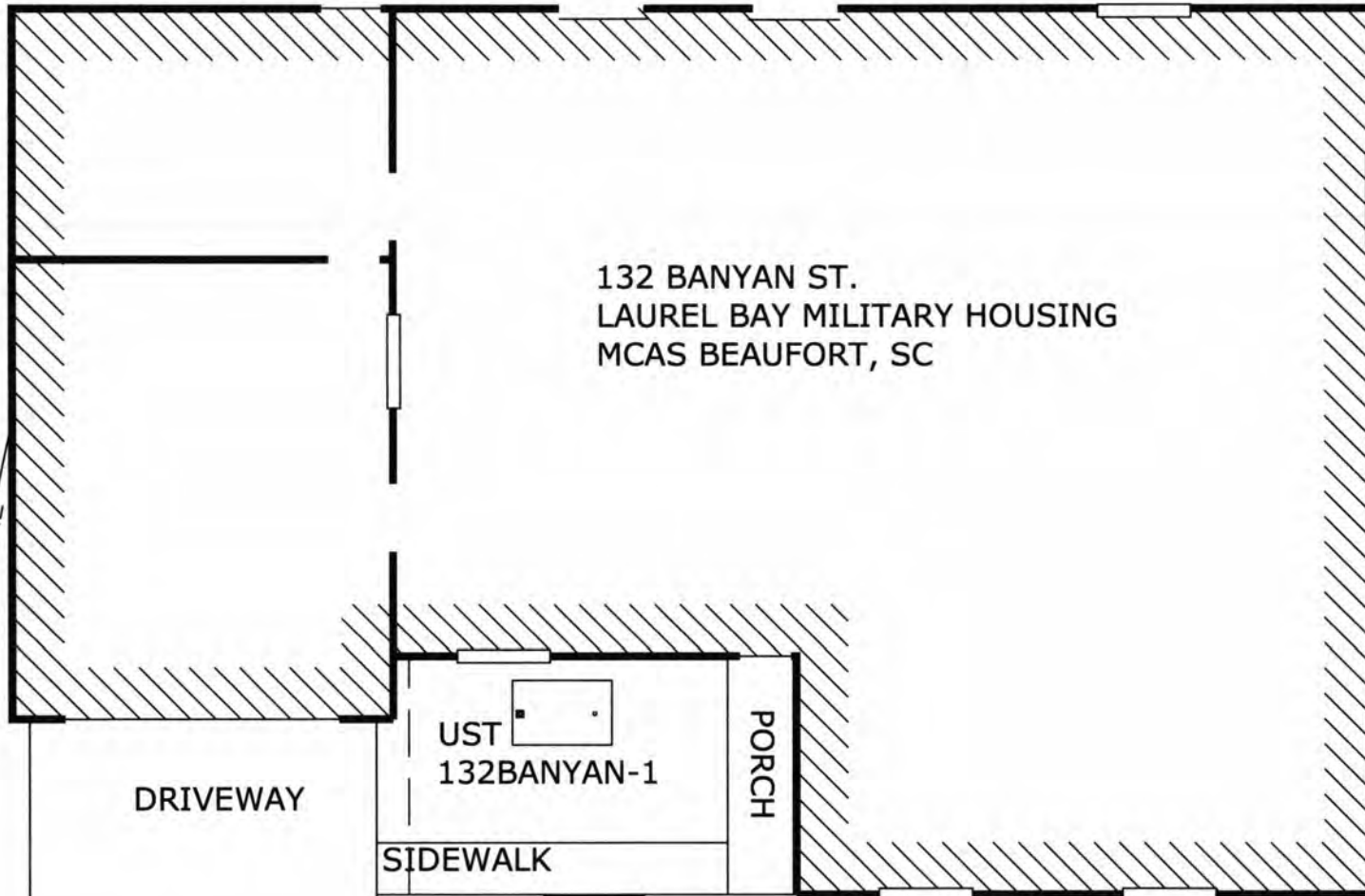
Dwg Date: Mar 2009

**FIGURE 1: LOCATION MAP
132 BANYAN ST., LAUREL BAY
MCAS BEAUFORT SC**

650' BROAD RIVER



132 BANYAN ST.
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



DRIVEWAY

UST
132BANYAN-1

PORCH

SIDEWALK

UST 132BANYAN-2

WASTE WATER

POWER
POLE

GRAPHIC SCALE

0 5' 10' 20'

SBG-EEG

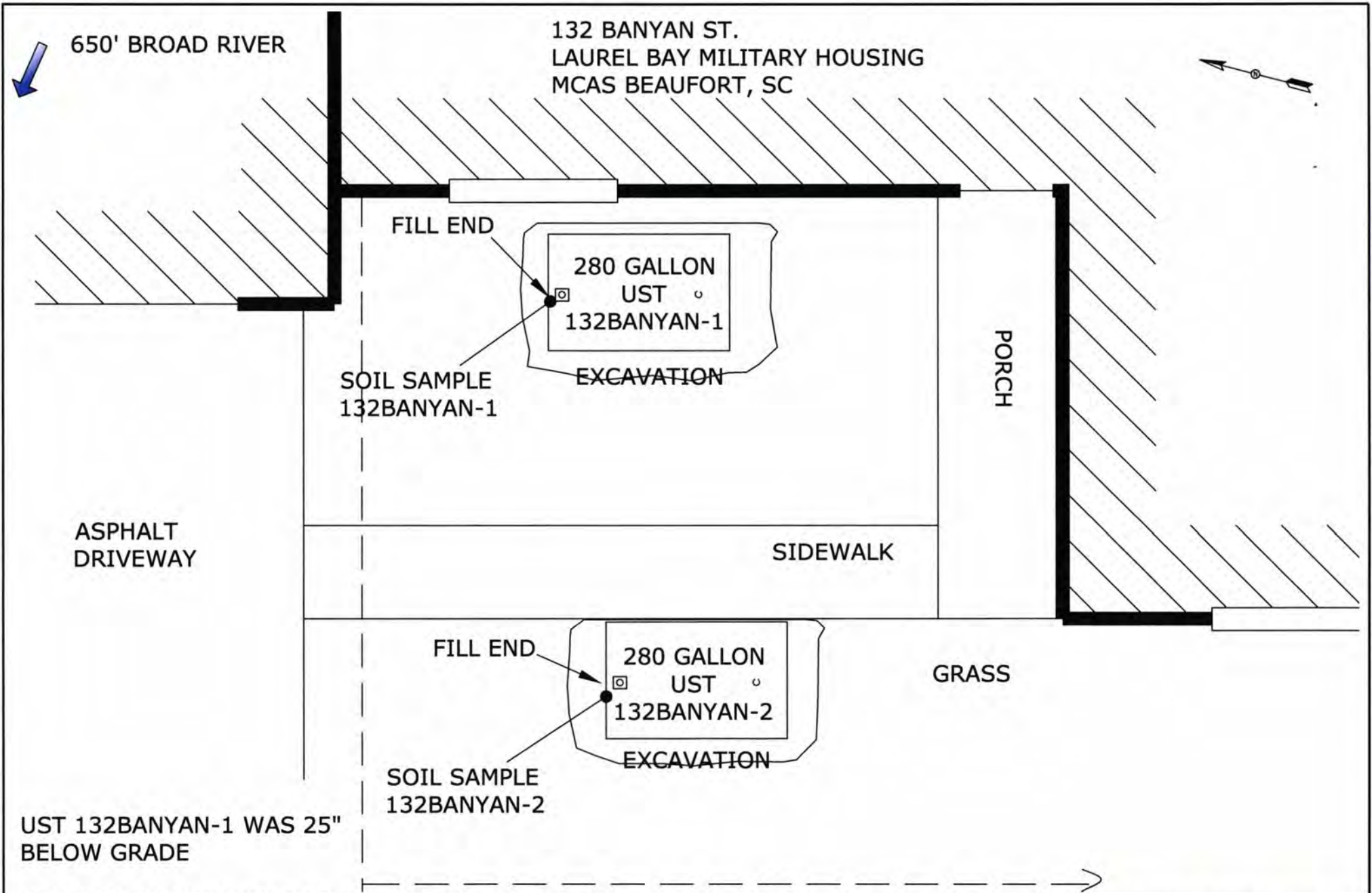
10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
132 BANYAN ST., LAUREL BAY
MCAS BEAUFORT SC

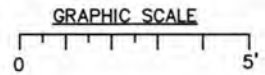
SCALE: GRAPHIC

DWG DATE MAR 2009



UST 132BANYAN-1 WAS 25" BELOW GRADE

UST 132BANYAN-2 WAS 2" BELOW GRADE



| | | |
|--|--|--------------------------|
| <p>SBG-EEG 10179 HWY 78 LADSON, SC 29456 ph. (843) 879-0400</p> | <p>FIGURE 3 UST SAMPLE LOCATIONS 132 BANYAN ST., LAUREL BAY MCAS BEAUFORT SC</p> | |
| | <p>SCALE: GRAPHIC</p> | <p>DWG DATE MAR 2009</p> |



Picture 1: 132 Banyan Street site prior to excavation.



Picture 2: UST 132Banyan-1&2 after tank removals and restoration.



Picture 3: UST 132Banyan-2 was approximately 2 inches below ground surface.



Picture 4: UST 132Banyan-2 during removal.

XIV. SUMMARY OF ANALYSIS RESULTS

Enter the soil analytical data for each soil boring for all COC in the table below and on the following page.

| CoC | 132Banyan-1 | 132Banyan-2 | | | |
|--------------------------|--------------|---------------|--|--|--|
| Benzene | ND | 0.00661 mg/kg | | | |
| Toluene | ND | ND | | | |
| Ethylbenzene | 0.0551 mg/kg | 0.0394 mg/kg | | | |
| Xylenes | 0.0350 mg/kg | 0.0487 mg/kg | | | |
| Naphthalene | 4.45 mg/kg | 0.186 mg/kg | | | |
| Benzo (a) anthracene | 0.739 mg/kg | ND | | | |
| Benzo (b) fluoranthene | 0.676 mg/kg | ND | | | |
| Benzo (k) fluoranthene | 0.418 mg/kg | ND | | | |
| Chrysene | 0.703 mg/kg | ND | | | |
| Dibenz (a, h) anthracene | ND | ND | | | |
| TPH (EPA 3550) | | | | | |

| | | | | | | | | |
|--------------------------|--|--|--|--|--|--|--|--|
| CoC | | | | | | | | |
| Benzene | | | | | | | | |
| Toluene | | | | | | | | |
| Ethylbenzene | | | | | | | | |
| Xylenes | | | | | | | | |
| Naphthalene | | | | | | | | |
| Benzo (a) anthracene | | | | | | | | |
| Benzo (b) fluoranthene | | | | | | | | |
| Benzo (k) fluoranthene | | | | | | | | |
| Chrysene | | | | | | | | |
| Dibenz (a, h) anthracene | | | | | | | | |
| TPH (EPA 3550) | | | | | | | | |

SUMMARY OF ANALYSIS RESULTS (cont'd)

Enter the ground water analytical data for each sample for all CoC in the table below. If free product is present, indicate the measured thickness to the nearest 0.01 feet.

| CoC | RBSL (µg/l) | W-1 | W-2 | W -3 | W -4 |
|-------------------------------------|--------------------------|------------|------------|-------------|-------------|
| Free Product Thickness | None | | | | |
| Benzene | 5 | | | | |
| Toluene | 1,000 | | | | |
| Ethylbenzene | 700 | | | | |
| Xylenes | 10,000 | | | | |
| Total BTEX | N/A | | | | |
| MTBE | 40 | | | | |
| Naphthalene | 25 | | | | |
| Benzo (a) anthracene | 10 | | | | |
| Benzo (b) flouranthene | 10 | | | | |
| Benzo (k) flouranthene | 10 | | | | |
| Chrysene | 10 | | | | |
| Dibenz (a, h) anthracene | 10 | | | | |
| EDB | .05 | | | | |
| 1,2-DCA | 5 | | | | |
| Lead | Site specific | | | | |

XV. ANALYTICAL RESULTS

You must submit the laboratory report and chain-of-custody form for the samples. These samples must be analyzed by a South Carolina certified laboratory.

(Attach Certified Analytical Results and Chain-of-Custody Here)
(Please see Form #4)

March 20, 2009 4:20:44PM

Client: EEG - Env. Enterprise Group (2449)
10179 Highway 78
Ladson, SC 29456
Attn: Tom McElwee

Work Order: NSC0500
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 03/06/09

| SAMPLE IDENTIFICATION | LAB NUMBER | COLLECTION DATE AND TIME |
|-----------------------|------------|--------------------------|
| 120 Banyan-3 | NSC0500-01 | 03/02/09 09:45 |
| 120 Banyan-2 | NSC0500-02 | 03/02/09 14:45 |
| 120 Banyan-1 | NSC0500-03 | 03/03/09 11:00 |
| 124 Banyan-2 | NSC0500-04 | 03/04/09 09:40 |
| 124 Banyan-1 | NSC0500-05 | 03/04/09 14:25 |
| 132 Banyan-2 | NSC0500-06 | 03/05/09 09:40 |
| 132 Banyan-1 | NSC0500-07 | 03/05/09 13:15 |

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Ken A. Hayes

Senior Project Manager

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Batch |
|--|--------|------|-----------|---------|-----------------|--------------------|-------------|---------|
| Sample ID: NSC0500-01 (120 Banyan-3 - Soil) Sampled: 03/02/09 09:45 | | | | | | | | |
| General Chemistry Parameters | | | | | | | | |
| % Dry Solids | 68.0 | | % | 0.500 | 1 | 03/16/09 09:15 | SW-846 | 9031949 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00217 | 1 | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Ethylbenzene | 0.108 | | mg/kg dry | 0.00217 | 1 | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Naphthalene | 1.31 | | mg/kg dry | 0.275 | 50 | 03/09/09 20:56 | SW846 8260B | 9031418 |
| Toluene | ND | | mg/kg dry | 0.00217 | 1 | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Xylenes, total | 0.216 | | mg/kg dry | 0.00542 | 1 | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Surr: 1,2-Dichloroethane-d4 (41-150%) | 104 % | | | | | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Surr: 1,2-Dichloroethane-d4 (41-150%) | 106 % | | | | | 03/09/09 20:56 | SW846 8260B | 9031418 |
| Surr: Dibromofluoromethane (55-139%) | 104 % | | | | | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Surr: Dibromofluoromethane (55-139%) | 106 % | | | | | 03/09/09 20:56 | SW846 8260B | 9031418 |
| Surr: Toluene-d8 (57-148%) | 139 % | | | | | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Surr: Toluene-d8 (57-148%) | 95 % | | | | | 03/09/09 20:56 | SW846 8260B | 9031418 |
| Surr: 4-Bromofluorobenzene (58-150%) | 314 % | ZX | | | | 03/06/09 23:01 | SW846 8260B | 9030971 |
| Surr: 4-Bromofluorobenzene (58-150%) | 100 % | | | | | 03/09/09 20:56 | SW846 8260B | 9031418 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| Acenaphthene | 0.710 | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Acenaphthylene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Anthracene | 0.327 | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Chrysene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Fluoranthene | 0.130 | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Fluorene | 1.59 | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Naphthalene | 0.662 | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Phenanthrene | 3.44 | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Pyrene | 0.354 | | mg/kg dry | 0.0978 | 1 | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Surr: Terphenyl-d14 (26-128%) | 65 % | | | | | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Surr: 2-Fluorobiphenyl (19-109%) | 68 % | | | | | 03/13/09 20:35 | SW846 8270C | 9031032 |
| Surr: Nitrobenzene-d5 (22-104%) | 73 % | | | | | 03/13/09 20:35 | SW846 8270C | 9031032 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Batch |
|--|--------|------|-----------|---------|-----------------|--------------------|-------------|---------|
| Sample ID: NSC0500-02 (120 Banyan-2 - Soil) Sampled: 03/02/09 14:45 | | | | | | | | |
| General Chemistry Parameters | | | | | | | | |
| % Dry Solids | 77.4 | | % | 0.500 | 1 | 03/16/09 09:15 | SW-846 | 9031949 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00208 | 1 | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Ethylbenzene | 0.0722 | | mg/kg dry | 0.00208 | 1 | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Naphthalene | 2.33 | | mg/kg dry | 0.264 | 50 | 03/09/09 21:26 | SW846 8260B | 9031418 |
| Toluene | ND | | mg/kg dry | 0.00208 | 1 | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Xylenes, total | 0.0155 | | mg/kg dry | 0.00520 | 1 | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Surr: 1,2-Dichloroethane-d4 (41-150%) | 96 % | | | | | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Surr: 1,2-Dichloroethane-d4 (41-150%) | 104 % | | | | | 03/09/09 21:26 | SW846 8260B | 9031418 |
| Surr: Dibromofluoromethane (55-139%) | 97 % | | | | | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Surr: Dibromofluoromethane (55-139%) | 103 % | | | | | 03/09/09 21:26 | SW846 8260B | 9031418 |
| Surr: Toluene-d8 (57-148%) | 141 % | | | | | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Surr: Toluene-d8 (57-148%) | 99 % | | | | | 03/09/09 21:26 | SW846 8260B | 9031418 |
| Surr: 4-Bromofluorobenzene (58-150%) | 466 % | ZX | | | | 03/06/09 23:31 | SW846 8260B | 9030971 |
| Surr: 4-Bromofluorobenzene (58-150%) | 108 % | | | | | 03/09/09 21:26 | SW846 8260B | 9031418 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| Acenaphthene | 0.446 | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Acenaphthylene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Anthracene | 0.242 | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Chrysene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Fluoranthene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Fluorene | 1.20 | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Naphthalene | 0.859 | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Phenanthrene | 2.33 | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Pyrene | 0.137 | | mg/kg dry | 0.0852 | 1 | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Surr: Terphenyl-d14 (26-128%) | 62 % | | | | | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Surr: 2-Fluorobiphenyl (19-109%) | 60 % | | | | | 03/13/09 20:57 | SW846 8270C | 9031032 |
| Surr: Nitrobenzene-d5 (22-104%) | 70 % | | | | | 03/13/09 20:57 | SW846 8270C | 9031032 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Batch |
|--|---------|------|-----------|---------|-----------------|--------------------|-------------|---------|
| Sample ID: NSC0500-03 (120 Banyan-1 - Soil) Sampled: 03/03/09 11:00 | | | | | | | | |
| General Chemistry Parameters | | | | | | | | |
| % Dry Solids | 75.5 | | % | 0.500 | 1 | 03/16/09 09:15 | SW-846 | 9031949 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00197 | 1 | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Ethylbenzene | 0.00674 | | mg/kg dry | 0.00197 | 1 | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Naphthalene | 0.159 | | mg/kg dry | 0.00492 | 1 | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Toluene | ND | | mg/kg dry | 0.00197 | 1 | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Xylenes, total | ND | | mg/kg dry | 0.00492 | 1 | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Surr: 1,2-Dichloroethane-d4 (41-150%) | 98 % | | | | | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Surr: Dibromofluoromethane (55-139%) | 98 % | | | | | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Surr: Toluene-d8 (57-148%) | 104 % | | | | | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Surr: 4-Bromofluorobenzene (58-150%) | 108 % | | | | | 03/07/09 00:01 | SW846 8260B | 9030971 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| Acenaphthene | 0.285 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Acenaphthylene | ND | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Anthracene | 0.582 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Benzo (a) anthracene | 0.817 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Benzo (a) pyrene | 0.326 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Benzo (b) fluoranthene | 0.452 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Benzo (k) fluoranthene | 0.298 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Chrysene | 0.542 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Fluoranthene | 3.07 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Fluorene | 0.534 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Indeno (1,2,3-cd) pyrene | 0.0989 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Naphthalene | 0.236 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Phenanthrene | 3.06 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Pyrene | 2.61 | | mg/kg dry | 0.0861 | 1 | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Surr: Terphenyl-d14 (26-128%) | 58 % | | | | | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Surr: 2-Fluorobiphenyl (19-109%) | 57 % | | | | | 03/13/09 21:19 | SW846 8270C | 9031032 |
| Surr: Nitrobenzene-d5 (22-104%) | 62 % | | | | | 03/13/09 21:19 | SW846 8270C | 9031032 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Batch |
|--|---------|------|-----------|---------|-----------------|--------------------|-------------|---------|
| Sample ID: NSC0500-04 (124 Banyan-2 - Soil) Sampled: 03/04/09 09:40 | | | | | | | | |
| General Chemistry Parameters | | | | | | | | |
| % Dry Solids | 74.3 | | % | 0.500 | 1 | 03/16/09 08:42 | SW-846 | 9031942 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| Benzene | 0.00440 | | mg/kg dry | 0.00198 | 1 | 03/07/09 00:31 | SW846 8260B | 9030971 |
| Ethylbenzene | 0.509 | | mg/kg dry | 0.0997 | 50 | 03/10/09 22:13 | SW846 8260B | 9031419 |
| Naphthalene | 5.32 | | mg/kg dry | 0.249 | 50 | 03/10/09 22:13 | SW846 8260B | 9031419 |
| Toluene | ND | | mg/kg dry | 0.00198 | 1 | 03/07/09 00:31 | SW846 8260B | 9030971 |
| Xylenes, total | ND | | mg/kg dry | 0.00494 | 1 | 03/07/09 00:31 | SW846 8260B | 9030971 |
| <i>Surr: 1,2-Dichloroethane-d4 (41-150%)</i> | 97 % | | | | | 03/07/09 00:31 | SW846 8260B | 9030971 |
| <i>Surr: 1,2-Dichloroethane-d4 (41-150%)</i> | 107 % | | | | | 03/10/09 22:13 | SW846 8260B | 9031419 |
| <i>Surr: Dibromofluoromethane (55-139%)</i> | 100 % | | | | | 03/07/09 00:31 | SW846 8260B | 9030971 |
| <i>Surr: Dibromofluoromethane (55-139%)</i> | 100 % | | | | | 03/10/09 22:13 | SW846 8260B | 9031419 |
| <i>Surr: Toluene-d8 (57-148%)</i> | 128 % | | | | | 03/07/09 00:31 | SW846 8260B | 9030971 |
| <i>Surr: Toluene-d8 (57-148%)</i> | 98 % | | | | | 03/10/09 22:13 | SW846 8260B | 9031419 |
| <i>Surr: 4-Bromofluorobenzene (58-150%)</i> | 137 % | | | | | 03/07/09 00:31 | SW846 8260B | 9030971 |
| <i>Surr: 4-Bromofluorobenzene (58-150%)</i> | 104 % | | | | | 03/10/09 22:13 | SW846 8260B | 9031419 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| Acenaphthene | 0.506 | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Acenaphthylene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Anthracene | 0.225 | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Chrysene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Fluoranthene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Fluorene | 1.15 | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Naphthalene | 2.00 | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Phenanthrene | 2.50 | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| Pyrene | 0.202 | | mg/kg dry | 0.0881 | 1 | 03/13/09 21:41 | SW846 8270C | 9031032 |
| <i>Surr: Terphenyl-d14 (26-128%)</i> | 62 % | | | | | 03/13/09 21:41 | SW846 8270C | 9031032 |
| <i>Surr: 2-Fluorobiphenyl (19-109%)</i> | 62 % | | | | | 03/13/09 21:41 | SW846 8270C | 9031032 |
| <i>Surr: Nitrobenzene-d5 (22-104%)</i> | 69 % | | | | | 03/13/09 21:41 | SW846 8270C | 9031032 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Batch |
|--|---------|------|-----------|---------|-----------------|--------------------|-------------|---------|
| Sample ID: NSC0500-05 (124 Banyan-1 - Soil) Sampled: 03/04/09 14:25 | | | | | | | | |
| General Chemistry Parameters | | | | | | | | |
| % Dry Solids | 73.5 | | % | 0.500 | 1 | 03/16/09 08:42 | SW-846 | 9031942 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00225 | 1 | 03/07/09 01:01 | SW846 8260B | 9030971 |
| Ethylbenzene | 0.00806 | | mg/kg dry | 0.00178 | 1 | 03/09/09 15:57 | SW846 8260B | 9031418 |
| Naphthalene | 0.0729 | | mg/kg dry | 0.00445 | 1 | 03/09/09 15:57 | SW846 8260B | 9031418 |
| Toluene | ND | | mg/kg dry | 0.00225 | 1 | 03/07/09 01:01 | SW846 8260B | 9030971 |
| Xylenes, total | 0.0153 | | mg/kg dry | 0.00562 | 1 | 03/07/09 01:01 | SW846 8260B | 9030971 |
| Surr: 1,2-Dichloroethane-d4 (41-150%) | 99 % | | | | | 03/07/09 01:01 | SW846 8260B | 9030971 |
| Surr: 1,2-Dichloroethane-d4 (41-150%) | 101 % | | | | | 03/09/09 15:57 | SW846 8260B | 9031418 |
| Surr: Dibromofluoromethane (55-139%) | 104 % | | | | | 03/07/09 01:01 | SW846 8260B | 9030971 |
| Surr: Dibromofluoromethane (55-139%) | 107 % | | | | | 03/09/09 15:57 | SW846 8260B | 9031418 |
| Surr: Toluene-d8 (57-148%) | 141 % | | | | | 03/07/09 01:01 | SW846 8260B | 9030971 |
| Surr: Toluene-d8 (57-148%) | 118 % | | | | | 03/09/09 15:57 | SW846 8260B | 9031418 |
| Surr: 4-Bromofluorobenzene (58-150%) | 467 % | ZX | | | | 03/07/09 01:01 | SW846 8260B | 9030971 |
| Surr: 4-Bromofluorobenzene (58-150%) | 137 % | | | | | 03/09/09 15:57 | SW846 8260B | 9031418 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| Acenaphthene | 0.417 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Acenaphthylene | ND | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Anthracene | 2.03 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Benzo (a) anthracene | 7.04 | | mg/kg dry | 0.449 | 5 | 03/14/09 08:14 | SW846 8270C | 9031032 |
| Benzo (a) pyrene | 2.77 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Benzo (b) fluoranthene | 3.76 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Benzo (g,h,i) perylene | 0.746 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Benzo (k) fluoranthene | 2.26 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Chrysene | 4.23 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Dibenz (a,h) anthracene | 0.361 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Fluoranthene | 16.7 | | mg/kg dry | 0.449 | 5 | 03/14/09 08:14 | SW846 8270C | 9031032 |
| Fluorene | 1.03 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Indeno (1,2,3-cd) pyrene | 0.885 | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Naphthalene | ND | | mg/kg dry | 0.0899 | 1 | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Phenanthrene | 7.83 | | mg/kg dry | 0.449 | 5 | 03/14/09 08:14 | SW846 8270C | 9031032 |
| Pyrene | 15.7 | | mg/kg dry | 0.449 | 5 | 03/14/09 08:14 | SW846 8270C | 9031032 |
| Surr: Terphenyl-d14 (26-128%) | 71 % | | | | | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Surr: 2-Fluorobiphenyl (19-109%) | 63 % | | | | | 03/13/09 22:03 | SW846 8270C | 9031032 |
| Surr: Nitrobenzene-d5 (22-104%) | 68 % | | | | | 03/13/09 22:03 | SW846 8270C | 9031032 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Batch |
|--|---------|------|-----------|---------|-----------------|--------------------|-------------|---------|
| Sample ID: NSC0500-06 (132 Banyan-2 - Soil) Sampled: 03/05/09 09:40 | | | | | | | | |
| General Chemistry Parameters | | | | | | | | |
| % Dry Solids | 76.3 | | % | 0.500 | 1 | 03/16/09 08:42 | SW-846 | 9031942 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| Benzene | 0.00661 | | mg/kg dry | 0.00205 | 1 | 03/07/09 01:31 | SW846 8260B | 9030971 |
| Ethylbenzene | 0.0394 | | mg/kg dry | 0.00205 | 1 | 03/07/09 01:31 | SW846 8260B | 9030971 |
| Naphthalene | 0.186 | | mg/kg dry | 0.00512 | 1 | 03/07/09 01:31 | SW846 8260B | 9030971 |
| Toluene | ND | | mg/kg dry | 0.00205 | 1 | 03/07/09 01:31 | SW846 8260B | 9030971 |
| Xylenes, total | 0.0487 | | mg/kg dry | 0.00512 | 1 | 03/07/09 01:31 | SW846 8260B | 9030971 |
| <i>Surr: 1,2-Dichloroethane-d4 (41-150%)</i> | 101 % | | | | | 03/07/09 01:31 | SW846 8260B | 9030971 |
| <i>Surr: Dibromofluoromethane (55-139%)</i> | 100 % | | | | | 03/07/09 01:31 | SW846 8260B | 9030971 |
| <i>Surr: Toluene-d8 (57-148%)</i> | 102 % | | | | | 03/07/09 01:31 | SW846 8260B | 9030971 |
| <i>Surr: 4-Bromofluorobenzene (58-150%)</i> | 102 % | | | | | 03/07/09 01:31 | SW846 8260B | 9030971 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| Acenaphthene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Acenaphthylene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Anthracene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Benzo (a) anthracene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Benzo (a) pyrene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Benzo (b) fluoranthene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Benzo (g,h,i) perylene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Benzo (k) fluoranthene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Chrysene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Fluoranthene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Fluorene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Indeno (1,2,3-cd) pyrene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Naphthalene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Phenanthrene | 0.0880 | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| Pyrene | ND | | mg/kg dry | 0.0876 | 1 | 03/13/09 22:25 | SW846 8270C | 9031032 |
| <i>Surr: Terphenyl-d14 (26-128%)</i> | 64 % | | | | | 03/13/09 22:25 | SW846 8270C | 9031032 |
| <i>Surr: 2-Fluorobiphenyl (19-109%)</i> | 53 % | | | | | 03/13/09 22:25 | SW846 8270C | 9031032 |
| <i>Surr: Nitrobenzene-d5 (22-104%)</i> | 58 % | | | | | 03/13/09 22:25 | SW846 8270C | 9031032 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

ANALYTICAL REPORT

| Analyte | Result | Flag | Units | MRL | Dilution Factor | Analysis Date/Time | Method | Batch |
|--|--------|------|-----------|---------|-----------------|--------------------|-------------|---------|
| Sample ID: NSC0500-07 (132 Banyan-1 - Soil) Sampled: 03/05/09 13:15 | | | | | | | | |
| General Chemistry Parameters | | | | | | | | |
| % Dry Solids | 80.9 | | % | 0.500 | 1 | 03/16/09 08:42 | SW-846 | 9031942 |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| Benzene | ND | | mg/kg dry | 0.00218 | 1 | 03/07/09 02:01 | SW846 8260B | 9030971 |
| Ethylbenzene | 0.0551 | | mg/kg dry | 0.00218 | 1 | 03/07/09 02:01 | SW846 8260B | 9030971 |
| Naphthalene | 4.45 | | mg/kg dry | 0.299 | 50 | 03/07/09 02:30 | SW846 8260B | 9030971 |
| Toluene | ND | | mg/kg dry | 0.00218 | 1 | 03/07/09 02:01 | SW846 8260B | 9030971 |
| Xylenes, total | 0.0350 | | mg/kg dry | 0.00545 | 1 | 03/07/09 02:01 | SW846 8260B | 9030971 |
| <i>Surr: 1,2-Dichloroethane-d4 (41-150%)</i> | 106 % | | | | | 03/07/09 02:01 | SW846 8260B | 9030971 |
| <i>Surr: 1,2-Dichloroethane-d4 (41-150%)</i> | 101 % | | | | | 03/07/09 02:30 | SW846 8260B | 9030971 |
| <i>Surr: Dibromofluoromethane (55-139%)</i> | 105 % | | | | | 03/07/09 02:01 | SW846 8260B | 9030971 |
| <i>Surr: Dibromofluoromethane (55-139%)</i> | 101 % | | | | | 03/07/09 02:30 | SW846 8260B | 9030971 |
| <i>Surr: Toluene-d8 (57-148%)</i> | 116 % | | | | | 03/07/09 02:01 | SW846 8260B | 9030971 |
| <i>Surr: Toluene-d8 (57-148%)</i> | 98 % | | | | | 03/07/09 02:30 | SW846 8260B | 9030971 |
| <i>Surr: 4-Bromofluorobenzene (58-150%)</i> | 116 % | | | | | 03/07/09 02:01 | SW846 8260B | 9030971 |
| <i>Surr: 4-Bromofluorobenzene (58-150%)</i> | 106 % | | | | | 03/07/09 02:30 | SW846 8260B | 9030971 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| Acenaphthene | 0.615 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Acenaphthylene | ND | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Anthracene | 0.507 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Benzo (a) anthracene | 0.739 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Benzo (a) pyrene | 0.523 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Benzo (b) fluoranthene | 0.676 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Benzo (g,h,i) perylene | 0.162 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Benzo (k) fluoranthene | 0.418 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Chrysene | 0.703 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Dibenz (a,h) anthracene | ND | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Fluoranthene | 2.03 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Fluorene | 1.28 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Indeno (1,2,3-cd) pyrene | 0.189 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Naphthalene | 1.80 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Phenanthrene | 2.56 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| Pyrene | 2.67 | | mg/kg dry | 0.0827 | 1 | 03/13/09 22:47 | SW846 8270C | 9031032 |
| <i>Surr: Terphenyl-d14 (26-128%)</i> | 67 % | | | | | 03/13/09 22:47 | SW846 8270C | 9031032 |
| <i>Surr: 2-Fluorobiphenyl (19-109%)</i> | 63 % | | | | | 03/13/09 22:47 | SW846 8270C | 9031032 |
| <i>Surr: Nitrobenzene-d5 (22-104%)</i> | 74 % | | | | | 03/13/09 22:47 | SW846 8270C | 9031032 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

SAMPLE EXTRACTION DATA

| Parameter | Batch | Lab Number | Wt/Vol Extracted | Extracted Vol | Date | Analyst | Extraction Method |
|--|---------|---------------|---------------------|---------------|----------------|---------|----------------------|
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | |
| SW846 8270C | 9031032 | NSC0500-01 | 30.22 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| SW846 8270C | 9031032 | NSC0500-02 | 30.49 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| SW846 8270C | 9031032 | NSC0500-03 | 30.93 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| SW846 8270C | 9031032 | NSC0500-04 | 30.72 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| SW846 8270C | 9031032 | NSC0500-05 | 30.42 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| SW846 8270C | 9031032 | NSC0500-05RE1 | 30.42 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| SW846 8270C | 9031032 | NSC0500-06 | 30.08 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| SW846 8270C | 9031032 | NSC0500-07 | 30.06 | 1.00 | 03/09/09 08:40 | DMG | EPA 3550B |
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | |
| SW846 8260B | 9030971 | NSC0500-01 | 6.78 | 5.00 | 03/02/09 09:45 | JRL | EPA 5035 |
| SW846 8260B | 9031418 | NSC0500-01RE1 | 6.69 | 5.00 | 03/02/09 09:45 | JRL | EPA 5035 |
| SW846 8260B | 9030971 | NSC0500-02 | 6.21 | 5.00 | 03/02/09 14:45 | JRL | EPA 5035 |
| SW846 8260B | 9031418 | NSC0500-02RE1 | 6.12 | 5.00 | 03/02/09 14:45 | JRL | EPA 5035 |
| SW846 8260B | 9030971 | NSC0500-03 | 6.73 | 5.00 | 03/03/09 11:00 | JRL | EPA 5035 |
| SW846 8260B | 9030971 | NSC0500-04 | 6.81 | 5.00 | 03/04/09 09:40 | JRL | EPA 5035 |
| SW846 8260B | 9031419 | NSC0500-04RE1 | 6.75 | 5.00 | 03/04/09 09:40 | JRL | EPA 5035 |
| SW846 8260B | 9030971 | NSC0500-05 | 6.05 | 5.00 | 03/04/09 14:25 | JRL | EPA 5035 |
| SW846 8260B | 9031418 | NSC0500-05RE1 | 7.65 | 5.00 | 03/04/09 14:25 | JRL | EPA 5035 |
| SW846 8260B | 9030971 | NSC0500-06 | 6.40 | 5.00 | 03/05/09 09:40 | JRL | EPA 5035 |
| SW846 8260B | 9030971 | NSC0500-07 | 5.67 | 5.00 | 03/05/09 13:15 | JRL | EPA 5035 |
| SW846 8260B | 9030971 | NSC0500-07RE1 | 5.16 | 5.00 | 03/05/09 13:15 | JRL | EPA 5035 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
Blank

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---------|-------------|---|-------|------------|------------|--------------------|
|---------|-------------|---|-------|------------|------------|--------------------|

Selected Volatile Organic Compounds by EPA Method 8260B

9030971-BLK1

| | | | | | | |
|----------------------------------|-----------|--|-----------|---------|--------------|----------------|
| Benzene | <0.000670 | | mg/kg wet | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Ethylbenzene | <0.000670 | | mg/kg wet | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Naphthalene | <0.00151 | | mg/kg wet | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Toluene | <0.000670 | | mg/kg wet | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Xylenes, total | <0.00172 | | mg/kg wet | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Surrogate: 1,2-Dichloroethane-d4 | 101% | | | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Surrogate: Dibromofluoromethane | 106% | | | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Surrogate: Toluene-d8 | 96% | | | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |
| Surrogate: 4-Bromofluorobenzene | 91% | | | 9030971 | 9030971-BLK1 | 03/06/09 20:02 |

9031418-BLK1

| | | | | | | |
|----------------------------------|-----------|--|-----------|---------|--------------|----------------|
| Benzene | <0.000670 | | mg/kg wet | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Ethylbenzene | <0.000670 | | mg/kg wet | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Naphthalene | <0.00151 | | mg/kg wet | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Toluene | <0.000670 | | mg/kg wet | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Xylenes, total | <0.00172 | | mg/kg wet | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Surrogate: 1,2-Dichloroethane-d4 | 106% | | | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Surrogate: Dibromofluoromethane | 106% | | | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Surrogate: Toluene-d8 | 96% | | | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |
| Surrogate: 4-Bromofluorobenzene | 93% | | | 9031418 | 9031418-BLK1 | 03/09/09 15:21 |

9031419-BLK1

| | | | | | | |
|----------------------------------|-----------|--|-----------|---------|--------------|----------------|
| Benzene | <0.000670 | | mg/kg wet | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Ethylbenzene | <0.000670 | | mg/kg wet | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Naphthalene | <0.00151 | | mg/kg wet | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Toluene | <0.000670 | | mg/kg wet | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Xylenes, total | <0.00172 | | mg/kg wet | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Surrogate: 1,2-Dichloroethane-d4 | 106% | | | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Surrogate: Dibromofluoromethane | 106% | | | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Surrogate: Toluene-d8 | 97% | | | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |
| Surrogate: 4-Bromofluorobenzene | 91% | | | 9031419 | 9031419-BLK1 | 03/10/09 17:28 |

Polyaromatic Hydrocarbons by EPA 8270C

9031032-BLK1

| | | | | | | |
|------------------------|---------|--|-----------|---------|--------------|----------------|
| Acenaphthene | <0.0310 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Acenaphthylene | <0.0320 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Anthracene | <0.0330 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Benzo (a) anthracene | <0.0380 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Benzo (a) pyrene | <0.0290 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Benzo (b) fluoranthene | <0.0320 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Benzo (g,h,i) perylene | <0.0290 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Benzo (k) fluoranthene | <0.0290 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

| Analyte | Blank Value | Q | Units | Q.C. Batch | Lab Number | Analyzed Date/Time |
|---|-------------|---|-----------|------------|--------------|--------------------|
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | |
| 9031032-BLK1 | | | | | | |
| Chrysene | <0.0390 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Dibenz (a,h) anthracene | <0.0310 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Fluoranthene | <0.0340 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Fluorene | <0.0390 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Indeno (1,2,3-cd) pyrene | <0.0310 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Naphthalene | <0.0410 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Phenanthrene | <0.0340 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Pyrene | <0.0410 | | mg/kg wet | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Surrogate: Terphenyl-d14 | 69% | | | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Surrogate: 2-Fluorobiphenyl | 55% | | | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |
| Surrogate: Nitrobenzene-d5 | 58% | | | 9031032 | 9031032-BLK1 | 03/13/09 19:07 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA

Duplicate

| Analyte | Orig. Val. | Duplicate | Q | Units | RPD | Limit | Batch | Sample Duplicated | Analyzed Date/Time |
|-------------------------------------|------------|-----------|---|-------|-----|-------|---------|-------------------|--------------------|
| General Chemistry Parameters | | | | | | | | | |
| 9031942-DUP1 | | | | | | | | | |
| % Dry Solids | 74.3 | 72.9 | | % | 2 | 20 | 9031942 | NSC0500-04 | 03/16/09 08:42 |
| 9031949-DUP1 | | | | | | | | | |
| % Dry Solids | 95.7 | 94.9 | | % | 0.8 | 20 | 9031949 | NSC0584-06 | 03/16/09 09:15 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS

| Analyte | Known Val. | Analyzed Val | Q | Units | % Rec. | Target Range | Batch | Analyzed Date/Time |
|--|------------|--------------|---|-----------|--------|--------------|---------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | |
| 9030971-BS1 | | | | | | | | |
| Benzene | 50.0 | 53.8 | | ug/kg | 108% | 76 - 130 | 9030971 | 03/06/09 18:03 |
| Ethylbenzene | 50.0 | 54.2 | | ug/kg | 108% | 80 - 128 | 9030971 | 03/06/09 18:03 |
| Naphthalene | 50.0 | 62.9 | | ug/kg | 126% | 63 - 144 | 9030971 | 03/06/09 18:03 |
| Toluene | 50.0 | 51.8 | | ug/kg | 104% | 80 - 125 | 9030971 | 03/06/09 18:03 |
| Xylenes, total | 150 | 164 | | ug/kg | 110% | 79 - 130 | 9030971 | 03/06/09 18:03 |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | 52.3 | | | 105% | 41 - 150 | 9030971 | 03/06/09 18:03 |
| Surrogate: Dibromofluoromethane | 50.0 | 53.5 | | | 107% | 55 - 139 | 9030971 | 03/06/09 18:03 |
| Surrogate: Toluene-d8 | 50.0 | 48.9 | | | 98% | 57 - 148 | 9030971 | 03/06/09 18:03 |
| Surrogate: 4-Bromofluorobenzene | 50.0 | 46.8 | | | 94% | 58 - 150 | 9030971 | 03/06/09 18:03 |
| Fluorobenzene | 50.0 | 50.0 | | ug/kg | 92% | 50 - 200 | 9030971 | 03/06/09 18:03 |
| Chlorobenzene-d5 | 50.0 | 50.0 | | ug/kg | 96% | 50 - 200 | 9030971 | 03/06/09 18:03 |
| 1,4-Dichlorobenzene-d4 | 50.0 | 50.0 | | ug/kg | 98% | 50 - 200 | 9030971 | 03/06/09 18:03 |
| 9031418-BS1 | | | | | | | | |
| Benzene | 50.0 | 55.0 | | ug/kg | 110% | 76 - 130 | 9031418 | 03/09/09 12:22 |
| Ethylbenzene | 50.0 | 52.1 | | ug/kg | 104% | 80 - 128 | 9031418 | 03/09/09 12:22 |
| Naphthalene | 50.0 | 59.4 | | ug/kg | 119% | 63 - 144 | 9031418 | 03/09/09 12:22 |
| Toluene | 50.0 | 50.0 | | ug/kg | 100% | 80 - 125 | 9031418 | 03/09/09 12:22 |
| Xylenes, total | 150 | 158 | | ug/kg | 106% | 79 - 130 | 9031418 | 03/09/09 12:22 |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | 53.4 | | | 107% | 41 - 150 | 9031418 | 03/09/09 12:22 |
| Surrogate: Dibromofluoromethane | 50.0 | 54.2 | | | 108% | 55 - 139 | 9031418 | 03/09/09 12:22 |
| Surrogate: Toluene-d8 | 50.0 | 49.3 | | | 99% | 57 - 148 | 9031418 | 03/09/09 12:22 |
| Surrogate: 4-Bromofluorobenzene | 50.0 | 48.0 | | | 96% | 58 - 150 | 9031418 | 03/09/09 12:22 |
| 9031419-BS1 | | | | | | | | |
| Benzene | 50.0 | 58.1 | | ug/kg | 116% | 76 - 130 | 9031419 | 03/10/09 15:28 |
| Ethylbenzene | 50.0 | 56.8 | | ug/kg | 114% | 80 - 128 | 9031419 | 03/10/09 15:28 |
| Naphthalene | 50.0 | 59.8 | | ug/kg | 120% | 63 - 144 | 9031419 | 03/10/09 15:28 |
| Toluene | 50.0 | 54.3 | | ug/kg | 109% | 80 - 125 | 9031419 | 03/10/09 15:28 |
| Xylenes, total | 150 | 174 | | ug/kg | 116% | 79 - 130 | 9031419 | 03/10/09 15:28 |
| Surrogate: 1,2-Dichloroethane-d4 | 50.0 | 52.5 | | | 105% | 41 - 150 | 9031419 | 03/10/09 15:28 |
| Surrogate: Dibromofluoromethane | 50.0 | 53.3 | | | 107% | 55 - 139 | 9031419 | 03/10/09 15:28 |
| Surrogate: Toluene-d8 | 50.0 | 49.5 | | | 99% | 57 - 148 | 9031419 | 03/10/09 15:28 |
| Surrogate: 4-Bromofluorobenzene | 50.0 | 45.7 | | | 91% | 58 - 150 | 9031419 | 03/10/09 15:28 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| 9031032-BS1 | | | | | | | | |
| Acenaphthenc | 1.67 | 1.37 | | mg/kg wet | 82% | 52 - 106 | 9031032 | 03/13/09 19:29 |
| Acenaphthylene | 1.67 | 1.45 | | mg/kg wet | 87% | 53 - 109 | 9031032 | 03/13/09 19:29 |
| Anthracene | 1.67 | 1.55 | | mg/kg wet | 93% | 54 - 124 | 9031032 | 03/13/09 19:29 |
| Benzo (a) anthracene | 1.67 | 1.42 | | mg/kg wet | 85% | 53 - 111 | 9031032 | 03/13/09 19:29 |
| Benzo (a) pyrene | 1.67 | 1.52 | | mg/kg wet | 91% | 52 - 122 | 9031032 | 03/13/09 19:29 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

| Analyte | Known Val. | Analyzed Val | Q | Units | % Rec. | Target Range | Batch | Analyzed Date/Time |
|---|------------|--------------|---|-----------|--------|--------------|---------|--------------------|
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | |
| 9031032-BS1 | | | | | | | | |
| Benzo (b) fluoranthene | 1.67 | 1.49 | | mg/kg wet | 90% | 48 - 115 | 9031032 | 03/13/09 19:29 |
| Benzo (g,h,i) perylene | 1.67 | 1.33 | | mg/kg wet | 80% | 46 - 114 | 9031032 | 03/13/09 19:29 |
| Benzo (k) fluoranthene | 1.67 | 1.39 | | mg/kg wet | 84% | 41 - 121 | 9031032 | 03/13/09 19:29 |
| Chrysene | 1.67 | 1.37 | | mg/kg wet | 82% | 49 - 113 | 9031032 | 03/13/09 19:29 |
| Dibenz (a,h) anthracene | 1.67 | 1.35 | | mg/kg wet | 81% | 47 - 117 | 9031032 | 03/13/09 19:29 |
| Fluoranthene | 1.67 | 1.41 | | mg/kg wet | 84% | 52 - 113 | 9031032 | 03/13/09 19:29 |
| Fluorene | 1.67 | 1.40 | | mg/kg wet | 84% | 54 - 107 | 9031032 | 03/13/09 19:29 |
| Indeno (1,2,3-cd) pyrene | 1.67 | 1.37 | | mg/kg wet | 82% | 47 - 115 | 9031032 | 03/13/09 19:29 |
| Naphthalene | 1.67 | 1.19 | | mg/kg wet | 72% | 34 - 107 | 9031032 | 03/13/09 19:29 |
| Phenanthrene | 1.67 | 1.39 | | mg/kg wet | 83% | 53 - 108 | 9031032 | 03/13/09 19:29 |
| Pyrene | 1.67 | 1.54 | | mg/kg wet | 93% | 54 - 113 | 9031032 | 03/13/09 19:29 |
| Surrogate: Terphenyl-d14 | 1.67 | 1.16 | | | 70% | 26 - 128 | 9031032 | 03/13/09 19:29 |
| Surrogate: 2-Fluorobiphenyl | 1.67 | 1.09 | | | 66% | 19 - 109 | 9031032 | 03/13/09 19:29 |
| Surrogate: Nitrobenzene-d5 | 1.67 | 1.08 | | | 65% | 22 - 104 | 9031032 | 03/13/09 19:29 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
LCS Dup

| Analyte | Orig. Val. | Duplicate | Q | Units | Spike Conc | % Rec. | Target Range | RPD | Limit | Batch | Sample Duplicated | Analyzed Date/Time |
|--|------------|-----------|---|-------|------------|--------|--------------|------|-------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | | | |
| 9030971-BSD1 | | | | | | | | | | | | |
| Benzene | | 53.9 | | ug/kg | 50.0 | 108% | 76 - 130 | 0.1 | 43 | 9030971 | | 03/06/09 18:33 |
| Ethylbenzene | | 54.0 | | ug/kg | 50.0 | 108% | 80 - 128 | 0.4 | 48 | 9030971 | | 03/06/09 18:33 |
| Naphthalene | | 56.9 | | ug/kg | 50.0 | 114% | 63 - 144 | 10 | 50 | 9030971 | | 03/06/09 18:33 |
| Toluene | | 52.1 | | ug/kg | 50.0 | 104% | 80 - 125 | 0.6 | 44 | 9030971 | | 03/06/09 18:33 |
| Xylenes, total | | 163 | | ug/kg | 150 | 109% | 79 - 130 | 0.8 | 48 | 9030971 | | 03/06/09 18:33 |
| Surrogate: 1,2-Dichloroethane-d4 | | 49.9 | | ug/kg | 50.0 | 100% | 41 - 150 | | | 9030971 | | 03/06/09 18:33 |
| Surrogate: Dibromofluoromethane | | 53.3 | | ug/kg | 50.0 | 107% | 55 - 139 | | | 9030971 | | 03/06/09 18:33 |
| Surrogate: Toluene-d8 | | 49.3 | | ug/kg | 50.0 | 99% | 57 - 148 | | | 9030971 | | 03/06/09 18:33 |
| Surrogate: 4-Bromofluorobenzene | | 46.8 | | ug/kg | 50.0 | 94% | 58 - 150 | | | 9030971 | | 03/06/09 18:33 |
| 9031418-BSD1 | | | | | | | | | | | | |
| Benzene | | 52.5 | | ug/kg | 50.0 | 105% | 76 - 130 | 5 | 43 | 9031418 | | 03/09/09 12:52 |
| Ethylbenzene | | 51.8 | | ug/kg | 50.0 | 104% | 80 - 128 | 0.6 | 48 | 9031418 | | 03/09/09 12:52 |
| Naphthalene | | 57.1 | | ug/kg | 50.0 | 114% | 63 - 144 | 4 | 50 | 9031418 | | 03/09/09 12:52 |
| Toluene | | 50.3 | | ug/kg | 50.0 | 101% | 80 - 125 | 0.6 | 44 | 9031418 | | 03/09/09 12:52 |
| Xylenes, total | | 158 | | ug/kg | 150 | 105% | 79 - 130 | 0.6 | 48 | 9031418 | | 03/09/09 12:52 |
| Surrogate: 1,2-Dichloroethane-d4 | | 52.1 | | ug/kg | 50.0 | 104% | 41 - 150 | | | 9031418 | | 03/09/09 12:52 |
| Surrogate: Dibromofluoromethane | | 53.2 | | ug/kg | 50.0 | 106% | 55 - 139 | | | 9031418 | | 03/09/09 12:52 |
| Surrogate: Toluene-d8 | | 50.0 | | ug/kg | 50.0 | 100% | 57 - 148 | | | 9031418 | | 03/09/09 12:52 |
| Surrogate: 4-Bromofluorobenzene | | 48.0 | | ug/kg | 50.0 | 96% | 58 - 150 | | | 9031418 | | 03/09/09 12:52 |
| 9031419-BSD1 | | | | | | | | | | | | |
| Benzene | | 59.0 | | ug/kg | 50.0 | 118% | 76 - 130 | 2 | 43 | 9031419 | | 03/10/09 15:58 |
| Ethylbenzene | | 57.3 | | ug/kg | 50.0 | 115% | 80 - 128 | 0.8 | 48 | 9031419 | | 03/10/09 15:58 |
| Naphthalene | | 61.4 | | ug/kg | 50.0 | 123% | 63 - 144 | 3 | 50 | 9031419 | | 03/10/09 15:58 |
| Toluene | | 54.4 | | ug/kg | 50.0 | 109% | 80 - 125 | 0.2 | 44 | 9031419 | | 03/10/09 15:58 |
| Xylenes, total | | 174 | | ug/kg | 150 | 116% | 79 - 130 | 0.05 | 48 | 9031419 | | 03/10/09 15:58 |
| Surrogate: 1,2-Dichloroethane-d4 | | 52.8 | | ug/kg | 50.0 | 106% | 41 - 150 | | | 9031419 | | 03/10/09 15:58 |
| Surrogate: Dibromofluoromethane | | 53.5 | | ug/kg | 50.0 | 107% | 55 - 139 | | | 9031419 | | 03/10/09 15:58 |
| Surrogate: Toluene-d8 | | 49.1 | | ug/kg | 50.0 | 98% | 57 - 148 | | | 9031419 | | 03/10/09 15:58 |
| Surrogate: 4-Bromofluorobenzene | | 46.0 | | ug/kg | 50.0 | 92% | 58 - 150 | | | 9031419 | | 03/10/09 15:58 |

Client EEG - Env. Enterprise Group (2449)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwee

Work Order: NSC0500
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike

| Analyte | Orig. Val. | MS Val | Q | Units | Spike Conc | % Rec. | Target Range | Batch | Sample Spiked | Analyzed Date/Time |
|--|------------|--------|----|-----------|------------|--------|--------------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| 9030971-MS1 | | | | | | | | | | |
| Benzene | ND | 2.49 | | mg/kg dry | 2.99 | 83% | 33 - 146 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| Ethylbenzene | 0.240 | 2.65 | | mg/kg dry | 2.99 | 80% | 16 - 160 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| Naphthalene | 4.45 | 6.40 | M7 | mg/kg dry | 2.99 | 65% | 10 - 151 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| Toluene | ND | 2.30 | | mg/kg dry | 2.99 | 77% | 30 - 145 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| Xylenes, total | 0.155 | 7.53 | | mg/kg dry | 8.98 | 82% | 16 - 159 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 51.3 | | ug/kg | 50.0 | 103% | 41 - 150 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| <i>Surrogate: Dibromofluoromethane</i> | | 51.2 | | ug/kg | 50.0 | 102% | 55 - 139 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| <i>Surrogate: Toluene-d8</i> | | 48.3 | | ug/kg | 50.0 | 97% | 57 - 148 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 50.5 | | ug/kg | 50.0 | 101% | 58 - 150 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| Fluorobenzene | | 50.0 | | ug/kg | 50.0 | 83% | 50 - 200 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| Chlorobenzene-d5 | | 50.0 | | ug/kg | 50.0 | 88% | 50 - 200 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| 1,4-Dichlorobenzene-d4 | | 50.0 | | ug/kg | 50.0 | 89% | 50 - 200 | 9030971 | NSC0500-07RE 1 | 03/07/09 03:00 |
| 9031418-MS1 | | | | | | | | | | |
| Benzene | ND | 2.00 | | mg/kg wet | 2.08 | 96% | 33 - 146 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| Ethylbenzene | ND | 2.03 | | mg/kg wet | 2.08 | 98% | 16 - 160 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| Naphthalene | ND | 2.39 | | mg/kg wet | 2.08 | 115% | 10 - 151 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| Toluene | ND | 1.89 | | mg/kg wet | 2.08 | 91% | 30 - 145 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| Xylenes, total | ND | 6.18 | | mg/kg wet | 6.24 | 99% | 16 - 159 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 52.6 | | ug/kg | 50.0 | 105% | 41 - 150 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| <i>Surrogate: Dibromofluoromethane</i> | | 51.6 | | ug/kg | 50.0 | 103% | 55 - 139 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| <i>Surrogate: Toluene-d8</i> | | 47.7 | | ug/kg | 50.0 | 95% | 57 - 148 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 50.8 | | ug/kg | 50.0 | 102% | 58 - 150 | 9031418 | NSB2383-22RE 2 | 03/09/09 21:56 |
| 9031419-MS1 | | | | | | | | | | |
| Benzene | ND | 2.94 | | mg/kg dry | 2.49 | 118% | 33 - 146 | 9031419 | NSC0500-04RE 1 | 03/11/09 00:13 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

| Analyte | Orig. Val. | MS Val | Q | Units | Spike Conc | % Rec. | Target Range | Batch | Sample Spiked | Analyzed Date/Time |
|--|------------|--------|---|-----------|------------|--------|--------------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | |
| 9031419-MS1 | | | | | | | | | | |
| Ethylbenzene | 0.509 | 3.39 | | mg/kg dry | 2.49 | 116% | 16 - 160 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| Naphthalene | 5.32 | 8.26 | | mg/kg dry | 2.49 | 118% | 10 - 151 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| Toluene | ND | 2.73 | | mg/kg dry | 2.49 | 109% | 30 - 145 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| Xylenes, total | ND | 8.82 | | mg/kg dry | 7.48 | 118% | 16 - 159 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 51.8 | | ug/kg | 50.0 | 104% | 41 - 150 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| <i>Surrogate: Dibromofluoromethane</i> | | 50.6 | | ug/kg | 50.0 | 101% | 55 - 139 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| <i>Surrogate: Toluene-d8</i> | | 49.1 | | ug/kg | 50.0 | 98% | 57 - 148 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 53.4 | | ug/kg | 50.0 | 107% | 58 - 150 | 9031419 | NSC0500-04RE I | 03/11/09 00:13 |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | | | |
| 9031032-MS1 | | | | | | | | | | |
| Acenaphthene | 0.710 | 2.56 | | mg/kg dry | 2.41 | 77% | 28 - 117 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Acenaphthylene | ND | 2.14 | | mg/kg dry | 2.41 | 89% | 33 - 113 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Anthracene | 0.327 | 2.69 | | mg/kg dry | 2.41 | 98% | 31 - 131 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Benzo (a) anthracene | ND | 2.05 | | mg/kg dry | 2.41 | 85% | 29 - 124 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Benzo (a) pyrene | ND | 2.14 | | mg/kg dry | 2.41 | 88% | 30 - 127 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Benzo (b) fluoranthene | ND | 2.26 | | mg/kg dry | 2.41 | 93% | 26 - 128 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Benzo (g,h,i) perylene | ND | 1.93 | | mg/kg dry | 2.41 | 80% | 21 - 122 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Benzo (k) fluoranthene | ND | 1.87 | | mg/kg dry | 2.41 | 77% | 20 - 130 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Chrysene | ND | 2.00 | | mg/kg dry | 2.41 | 83% | 30 - 119 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Dibenz (a,h) anthracene | ND | 2.00 | | mg/kg dry | 2.41 | 83% | 27 - 122 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Fluoranthene | 0.130 | 2.46 | | mg/kg dry | 2.41 | 96% | 23 - 132 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Fluorene | 1.59 | 3.82 | | mg/kg dry | 2.41 | 92% | 38 - 110 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Indeno (1,2,3-cd) pyrene | ND | 1.96 | | mg/kg dry | 2.41 | 81% | 24 - 122 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Naphthalene | 0.662 | 2.23 | | mg/kg dry | 2.41 | 65% | 14 - 117 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Phenanthrene | 3.44 | 6.13 | | mg/kg dry | 2.41 | 111% | 21 - 130 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| Pyrene | 0.354 | 2.44 | | mg/kg dry | 2.41 | 86% | 24 - 133 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| <i>Surrogate: Terphenyl-d14</i> | | 1.54 | | mg/kg dry | 2.41 | 64% | 26 - 128 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| <i>Surrogate: 2-Fluorobiphenyl</i> | | 1.88 | | mg/kg dry | 2.41 | 78% | 19 - 109 | 9031032 | NSC0500-01 | 03/13/09 19:51 |
| <i>Surrogate: Nitrobenzene-d5</i> | | 1.76 | | mg/kg dry | 2.41 | 73% | 22 - 104 | 9031032 | NSC0500-01 | 03/13/09 19:51 |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup

| Analyte | Orig. Val. | Duplicate | Q | Units | Spike Conc | % Rec. | Target Range | RPD | Limit | Batch | Sample Duplicated | Analyzed Date/Time |
|--|------------|-----------|---|-----------|------------|--------|--------------|-----|-------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | | | |
| 9030971-MSD1 | | | | | | | | | | | | |
| Benzene | ND | 2.48 | | mg/kg dry | 2.99 | 83% | 33 - 146 | 0.3 | 43 | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| Ethylbenzene | 0.240 | 2.74 | | mg/kg dry | 2.99 | 84% | 16 - 160 | 3 | 48 | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| Naphthalene | 4.45 | 6.23 | | mg/kg dry | 2.99 | 60% | 10 - 151 | 3 | 50 | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| Toluene | ND | 2.39 | | mg/kg dry | 2.99 | 80% | 30 - 145 | 4 | 44 | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| Xylenes, total | 0.155 | 7.71 | | mg/kg dry | 8.98 | 84% | 16 - 159 | 2 | 48 | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 49.1 | | ug/kg | 50.0 | 98% | 41 - 150 | | | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| <i>Surrogate: Dibromofluoromethane</i> | | 49.8 | | ug/kg | 50.0 | 100% | 55 - 139 | | | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| <i>Surrogate: Toluene-d8</i> | | 48.6 | | ug/kg | 50.0 | 97% | 57 - 148 | | | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 49.6 | | ug/kg | 50.0 | 99% | 58 - 150 | | | 9030971 | NSC0500-07RE | 03/07/09 03:30 |
| | | | | | | | | | | | 1 | |
| 9031418-MSD1 | | | | | | | | | | | | |
| Benzene | ND | 1.97 | | mg/kg wet | 2.08 | 95% | 33 - 146 | 1 | 43 | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| Ethylbenzene | ND | 1.99 | | mg/kg wet | 2.08 | 96% | 16 - 160 | 2 | 48 | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| Naphthalene | ND | 2.32 | | mg/kg wet | 2.08 | 112% | 10 - 151 | 3 | 50 | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| Toluene | ND | 1.85 | | mg/kg wet | 2.08 | 89% | 30 - 145 | 2 | 44 | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| Xylenes, total | ND | 6.11 | | mg/kg wet | 6.24 | 98% | 16 - 159 | 1 | 48 | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 52.6 | | ug/kg | 50.0 | 105% | 41 - 150 | | | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| <i>Surrogate: Dibromofluoromethane</i> | | 52.0 | | ug/kg | 50.0 | 104% | 55 - 139 | | | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| <i>Surrogate: Toluene-d8</i> | | 48.2 | | ug/kg | 50.0 | 96% | 57 - 148 | | | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 48.2 | | ug/kg | 50.0 | 96% | 58 - 150 | | | 9031418 | NSB2383-22RE | 03/09/09 22:25 |
| | | | | | | | | | | | 2 | |
| 9031419-MSD1 | | | | | | | | | | | | |
| Benzene | ND | 2.98 | | mg/kg dry | 2.49 | 120% | 33 - 146 | 1 | 43 | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | 1 | |
| Ethylbenzene | 0.509 | 3.31 | | mg/kg dry | 2.49 | 112% | 16 - 160 | 3 | 48 | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | 1 | |
| Naphthalene | 5.32 | 8.13 | | mg/kg dry | 2.49 | 113% | 10 - 151 | 2 | 50 | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | 1 | |
| Toluene | ND | 2.64 | | mg/kg dry | 2.49 | 106% | 30 - 145 | 3 | 44 | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | 1 | |
| Xylenes, total | ND | 8.53 | | mg/kg dry | 7.48 | 114% | 16 - 159 | 3 | 48 | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | 1 | |

Client EEG - Env. Enterprise Group (2449)
 10179 Highway 78
 Ladson, SC 29456
 Attn Tom McElwee

Work Order: NSC0500
 Project Name: Laurel Bay Housing Project
 Project Number: [none]
 Received: 03/06/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike Dup - Cont.

| Analyte | Orig. Val. | Duplicate | Q | Units | Spike Conc | % Rec. | Target Range | RPD | Limit | Batch | Sample Duplicated | Analyzed Date/Time |
|--|------------|-----------|---|-----------|------------|--------|--------------|-----|-------|---------|-------------------|--------------------|
| Selected Volatile Organic Compounds by EPA Method 8260B | | | | | | | | | | | | |
| 9031419-MSD1 | | | | | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 52.3 | | ug/kg | 50.0 | 105% | 41 - 150 | | | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | I | |
| <i>Surrogate: Dibromofluoromethane</i> | | 50.3 | | ug/kg | 50.0 | 101% | 55 - 139 | | | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | I | |
| <i>Surrogate: Toluene-d8</i> | | 48.7 | | ug/kg | 50.0 | 97% | 57 - 148 | | | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | I | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 52.6 | | ug/kg | 50.0 | 105% | 58 - 150 | | | 9031419 | NSC0500-04RE | 03/11/09 00:42 |
| | | | | | | | | | | | I | |
| Polyaromatic Hydrocarbons by EPA 8270C | | | | | | | | | | | | |
| 9031032-MSD1 | | | | | | | | | | | | |
| Acenaphthene | 0.710 | 2.40 | | mg/kg dry | 2.39 | 71% | 28 - 117 | 6 | 33 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Acenaphthylene | ND | 2.11 | | mg/kg dry | 2.39 | 88% | 33 - 113 | 2 | 38 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Anthracene | 0.327 | 2.36 | | mg/kg dry | 2.39 | 85% | 31 - 131 | 13 | 32 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Benzo (a) anthracene | ND | 1.98 | | mg/kg dry | 2.39 | 83% | 29 - 124 | 4 | 26 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Benzo (a) pyrene | ND | 2.05 | | mg/kg dry | 2.39 | 86% | 30 - 127 | 4 | 31 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Benzo (b) fluoranthene | ND | 2.03 | | mg/kg dry | 2.39 | 85% | 26 - 128 | 11 | 37 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Benzo (g,h,i) perylene | ND | 1.86 | | mg/kg dry | 2.39 | 78% | 21 - 122 | 4 | 28 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Benzo (k) fluoranthene | ND | 1.97 | | mg/kg dry | 2.39 | 82% | 20 - 130 | 5 | 35 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Chrysene | ND | 1.87 | | mg/kg dry | 2.39 | 78% | 30 - 119 | 6 | 31 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Dibenz (a,h) anthracene | ND | 1.90 | | mg/kg dry | 2.39 | 79% | 27 - 122 | 5 | 32 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Fluoranthene | 0.130 | 2.21 | | mg/kg dry | 2.39 | 87% | 23 - 132 | 11 | 36 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Fluorene | 1.59 | 3.17 | | mg/kg dry | 2.39 | 66% | 38 - 110 | 19 | 35 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Indeno (1,2,3-cd) pyrene | ND | 1.92 | | mg/kg dry | 2.39 | 80% | 24 - 122 | 2 | 28 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Naphthalene | 0.662 | 2.03 | | mg/kg dry | 2.39 | 57% | 14 - 117 | 10 | 34 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Phenanthrene | 3.44 | 4.79 | | mg/kg dry | 2.39 | 56% | 21 - 130 | 25 | 33 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| Pyrene | 0.354 | 2.35 | | mg/kg dry | 2.39 | 83% | 24 - 133 | 4 | 36 | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| <i>Surrogate: Terphenyl-d14</i> | | 1.49 | | mg/kg dry | 2.39 | 62% | 26 - 128 | | | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| <i>Surrogate: 2-Fluorobiphenyl</i> | | 1.61 | | mg/kg dry | 2.39 | 67% | 19 - 109 | | | 9031032 | NSC0500-01 | 03/13/09 20:13 |
| <i>Surrogate: Nitrobenzene-d5</i> | | 1.52 | | mg/kg dry | 2.39 | 64% | 22 - 104 | | | 9031032 | NSC0500-01 | 03/13/09 20:13 |

Client EEG - Env. Enterprise Group (2449)
10179 Highway 78
Ladson, SC 29456
Attn Tom McElwee

Work Order: NSC0500
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 03/06/09 08:15

CERTIFICATION SUMMARY

TestAmerica Nashville

| Method | Matrix | AIHA | Nelac | South Carolina |
|-------------|--------|------|-------|----------------|
| SW846 8260B | Soil | N/A | X | X |
| SW846 8270C | Soil | N/A | X | X |
| SW-846 | Soil | | | |

Client EEG - Env. Enterprise Group (2449)
10179 Highway 78
Ladson, SC 29456

Work Order: NSC0500
Project Name: Laurel Bay Housing Project
Project Number: [none]
Received: 03/06/09 08:15

Attn Tom McElwee

DATA QUALIFIERS AND DEFINITIONS

M7 The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
ZX Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

NSC0500

03/20/09 23 59

TestAmerica

Nashville Division
 2960 Foster Creighton
 Nashville, TN 37204

Phone: 615-726-0177
 Toll Free: 800-765-0980
 Fax: 615-726-3404

To assist us in using the proper analytical
 methods, is this work being conducted for
 regulatory purposes?

Client Name/Account #: EEG # 2449
 Address: 10179 Highway 78
 City/State/Zip: Ladsen, SC 29456
 Project Manager: Tom McElwee email: mcelwee@eeginc.net
 Telephone Number: 843.412.2097 Fax No.: 843-879-0401
 Sampler Name: (Print) Pratt Shaw
 Sampler Signature: *[Signature]*

Compliance Monitoring? Yes No
 Enforcement Action? Yes No

Site State: SC
 PO#: 0829
 TA Quote #:
 Project ID: Laurel Bay Housing Project
 Project #:

| Sample ID / Description | Date Sampled | Time Sampled | No. of Containers Shipped | Grab | Composite | Field Filtered | Ice | Preservative | | | | | Matrix | | | | | BTEX + Napth - 82608 | PAH - 8270C | RUSH TAT (Pre-Schedule) |
|-------------------------|--------------|--------------|---------------------------|------|-----------|----------------|-----|------------------|---------------------|---|---|--------------------|-----------------|-------------|------------|----------------|--------|----------------------|-------------|-------------------------|
| | | | | | | | | HCl (Blue Label) | NaOH (Orange Label) | H ₂ SO ₄ , Plastic (Yellow Label) | H ₂ SO ₄ , Glass (Yellow Label) | None (Black Label) | Other (Specify) | Groundwater | Wastewater | Drinking Water | Sludge | | | |
| 01 120 BANYAN - 3 | 3/2/09 | 0945 | 5 | X | | | | | | | | | | | | | | | | |
| 02 120 BANYAN - 2 | 3/2/09 | 1445 | 5 | X | | | | | | | | | | | | | | | | |
| 03 120 BANYAN - 1 | 3/3/09 | 1100 | 5 | X | | | | | | | | | | | | | | | | |
| 04 124 BANYAN - 2 | 3/4/09 | 0740 | 5 | X | | | | | | | | | | | | | | | | |
| 05 124 BANYAN - 1 | 3/4/09 | 1315 | 5 | X | | | | | | | | | | | | | | | | |
| 06 132 BANYAN - 2 | 3/5/09 | 0940 | 5 | X | | | | | | | | | | | | | | | | |
| 07 132 BANYAN - 1 | 3/5/09 | 1315 | 5 | X | | | | | | | | | | | | | | | | |

Special Instructions:

| Relinquished by: | | | Method of Shipment: | | | FEDEX | |
|--------------------|--------|------|--------------------------|------|------|-------|--|
| <i>[Signature]</i> | Date | Time | Received by: | Date | Time | | |
| | 3/5/09 | 8:00 | FDXX | | | | |
| Relinquished by: | | | Received by TestAmerica: | | | | |
| | Date | Time | <i>[Signature]</i> | Date | Time | | |
| | | | | 3/6 | 8:15 | | |

Laboratory Comments:

Temperature Upon Receipt: 0-6°C

VOCs Free of Headspace? Y

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

Small Business Group, Inc.
10179 Highway 78
Ladson, SC 29456

TEL (843) 879-0403
FAX (843) 879-0401

TANK ID & LOCATION

UST 132Banyan-1, 132 Banyan St, Laurel Bay Housing Area,
MCAS Beaufort, S.C.

DISPOSAL LOCATION

Coastal Auto Salvage Co., Inc.
130 Laurel Bay Road
Beaufort, S.C. 29906

TYPE OF TANK

Steel

SIZE (GAL)

280

CLEANING/DISPOSAL METHOD

The tank and piping were unearthed, cut open, cleaned with a pressure washer, cut into sections, and recycled.

DISPOSAL CERTIFICATION

I certify that the above tank, piping and equipment has been properly cleaned and disposed of.

T.C. Wilson / 4/1/09
(Name) (Date)



NON-HAZARDOUS MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

| | | | | | | | | | | |
|--|--|---|---------------------------|--|--|---------------------------|-------------------|--|--|--|
| NON-HAZARDOUS MANIFEST | | 1. Generator's US EPA ID No. | | Manifest Document No. | | 2. Page 1 of | | | | |
| | | 3. Generator's Name and Mailing Address | | | | | | A. Manifest Number WMNA 10885483 | | |
| 4. Generator's Phone | | | | | | B. State Generator's ID | | | | |
| 5. Transporter 1 Company Name | | | 6. US EPA ID Number | | | C. State Transporter's ID | | | | |
| 7. Transporter 2 Company Name | | | | | | D. Transporter's Phone | | | | |
| 8. US EPA ID Number | | | E. State Transporter's ID | | | F. Transporter's Phone | | | | |
| 9. Designated Facility Name and Site Address | | | | | | G. State Facility's ID | | | | |
| 10. US EPA ID Number | | | | | | H. Facility's Phone | | | | |
| 11. Description of Waste Materials | | | | 12. Containers | | 13. Total Quantity | 14. Unit Wt./Vol. | I. Misc. Comments | | |
| | | | | No. | | Type | | | | |
| | | | | a. | | WM Profile # | | | | |
| | | | | b. | | WM Profile # | | | | |
| | | | | c. | | WM Profile # | | | | |
| J. Additional Descriptions for Materials Listed Above | | | | K. Disposal Location | | | | | | |
| Landfill <input type="checkbox"/> Solidification <input type="checkbox"/> | | | | Cell <input type="checkbox"/> Level <input type="checkbox"/> | | | | | | |
| Bio Remediation <input type="checkbox"/> | | | | Grid <input type="checkbox"/> | | | | | | |
| 15. Special Handling Instructions and Additional Information | | | | Purchase Order # | | | | | | |
| 545T's | | | | 1) 128 BANYAN - 1 | | | | | | |
| | | | | 2) 128 BANYAN - 2 | | | | | | |
| | | | | 3) 124 BANYAN - 2 | | | | | | |
| | | | | 4) 132 BANYAN - 2 | | | | | | |
| | | | | 5) 142 LAUREL BAY Blvd | | | | | | |
| | | | | EMERGENCY CONTACT: | | | | | | |
| 16. GENERATOR'S CERTIFICATION: | | | | | | | | | | |
| I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations. | | | | | | | | | | |
| Printed/Typed Name | | | | Signature "On behalf of" | | Month Day Year | | | | |
| W.G. Doherty Jr. | | | | | | 10/25/09 | | | | |
| 17. Transporter 1 Acknowledgement of Receipt of Materials | | | | | | | | | | |
| Printed/Typed Name | | | | Signature | | Month Day Year | | | | |
| James Baldwin | | | | | | 10/40/10/9 | | | | |
| 18. Transporter 2 Acknowledgement of Receipt of Materials | | | | | | | | | | |
| Printed/Typed Name | | | | Signature | | Month Day Year | | | | |
| | | | | | | | | | | |
| 19. Certificate of Final Treatment/Disposal | | | | | | | | | | |
| I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above. | | | | | | | | | | |
| 20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest. | | | | | | | | | | |
| Printed/Typed Name | | | | Signature | | Month Day Year | | | | |
| Strenholds | | | | | | 10/10/09 | | | | |

Appendix C
Laboratory Analytical Report - Initial Groundwater

Volatile Organic Compounds by GC/MS

| | |
|--|----------------------------|
| Client: AECOM - Resolution Consultants | Laboratory ID: OG18009-017 |
| Description: BEALB132TW01WG20130719 | Matrix: Aqueous |
| Date Sampled: 07/19/2013 1340 | |
| Date Received: 07/19/2013 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------|-------|
| 1 | 5030B | 8260B | 1 | 07/27/2013 0516 | RGB | | 25963 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|-----------------|------------|-------------------|--------|---|------|------|-------|-------|-----|
| Benzene | 71-43-2 | 8260B | 1.4 | B | 0.50 | 0.25 | 0.027 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 8.7 | | 0.50 | 0.25 | 0.17 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8260B | 29 | | 0.50 | 0.25 | 0.12 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | ND | | 0.50 | 0.25 | 0.17 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 14 | | 0.50 | 0.25 | 0.17 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-----------------------|---|------------------|-------------------|
| 1,2-Dichloroethane-d4 | | 101 | 70-120 |
| Toluene-d8 | | 106 | 85-120 |
| Bromofluorobenzene | | 108 | 75-120 |
| Dibromofluoromethane | | 104 | 85-115 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Semivolatile Organic Compounds by GC/MS

| | |
|--|----------------------------|
| Client: AECOM - Resolution Consultants | Laboratory ID: OG18009-017 |
| Description: BEALB132TW01WG20130719 | Matrix: Aqueous |
| Date Sampled: 07/19/2013 1340 | |
| Date Received: 07/19/2013 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 3520C | 8270D | 1 | 07/23/2013 1520 | JRG | 07/22/2013 1356 | 25554 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|------------------------|------------|-------------------|--------|---|------|------|-------|-------|-----|
| Benzo(a)anthracene | 56-55-3 | 8270D | ND | | 0.21 | 0.10 | 0.086 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D | ND | | 0.21 | 0.10 | 0.092 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D | ND | | 0.21 | 0.10 | 0.097 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D | ND | | 0.21 | 0.10 | 0.057 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D | ND | | 0.21 | 0.10 | 0.061 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|------------------|---|------------------|-------------------|
| 2-Fluorobiphenyl | | 76 | 50-110 |
| Nitrobenzene-d5 | | 74 | 40-110 |
| Terphenyl-d14 | | 79 | 50-135 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Appendix D
Laboratory Analytical Reports – Permanent Well Groundwater

Volatile Organic Compounds by GC/MS

| | |
|---|-----------------------------------|
| Client: AECOM - Resolution Consultants | Laboratory ID: QL17067-001 |
| Description: BEALB132MW01WG20151215 | Matrix: Aqueous |
| Date Sampled: 12/15/2015 1610 | |
| Date Received: 12/17/2015 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------|-------|
| 1 | 5030B | 8260B | 1 | 12/24/2015 1147 | JM1 | | 93010 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|------------------------|------------------|-------------------|------------|---|------------|------|-------------|-------------|----------|
| Benzene | 71-43-2 | 8260B | 7.9 | | 5.0 | 0.45 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 42 | | 5.0 | 0.51 | 0.21 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8260B | 150 | | 5.0 | 0.96 | 0.14 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | 0.48 | U | 5.0 | 0.48 | 0.24 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 39 | | 5.0 | 0.57 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-----------------------|---|------------------|-------------------|
| Bromofluorobenzene | | 109 | 75-120 |
| 1,2-Dichloroethane-d4 | | 100 | 70-120 |
| Toluene-d8 | | 106 | 85-120 |
| Dibromofluoromethane | | 103 | 85-115 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**

Laboratory ID: **QL17067-001**

Description: **BEALB132MW01WG20151215**

Matrix: **Aqueous**

Date Sampled: **12/15/2015 1610**

Date Received: **12/17/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 3520C | 8270D (SIM) | 1 | 12/23/2015 1648 | DRB1 | 12/22/2015 1605 | 92845 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|------------------------|------------|-------------------|--------|---|------|-------|-------|-------|-----|
| Benzo(a)anthracene | 56-55-3 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.024 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.021 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D (SIM) | 0.080 | U | 0.20 | 0.080 | 0.040 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-------------------------|---|------------------|-------------------|
| 2-Methylnaphthalene-d10 | | 97 | 15-139 |
| Fluoranthene-d10 | | 116 | 23-154 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Shealy Environmental Services, Inc.
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Volatile Organic Compounds by GC/MS

| | |
|---|-----------------------------------|
| Client: AECOM - Resolution Consultants | Laboratory ID: QL16007-020 |
| Description: BEALB132MW02WG20151215 | Matrix: Aqueous |
| Date Sampled: 12/15/2015 1435 | |
| Date Received: 12/16/2015 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------|-------|
| 1 | 5030B | 8260B | 1 | 12/24/2015 0139 | ECP | | 92976 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|--------------------|----------------|-------------------|-------------|----------|------------|------|-------------|-------------|----------|
| Benzene | 71-43-2 | 8260B | 0.50 | J | 5.0 | 0.45 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 0.51 | U | 5.0 | 0.51 | 0.21 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8260B | 2.8 | J | 5.0 | 0.96 | 0.14 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | 0.48 | U | 5.0 | 0.48 | 0.24 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 0.57 | U | 5.0 | 0.57 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-----------------------|---|------------------|-------------------|
| Bromofluorobenzene | | 102 | 75-120 |
| 1,2-Dichloroethane-d4 | | 109 | 70-120 |
| Toluene-d8 | | 107 | 85-120 |
| Dibromofluoromethane | | 112 | 85-115 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Shealy Environmental Services, Inc.
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**

Laboratory ID: **QL16007-020**

Description: **BEALB132MW02WG20151215**

Matrix: **Aqueous**

Date Sampled: **12/15/2015 1435**

Date Received: **12/16/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 3520C | 8270D (SIM) | 1 | 12/22/2015 1753 | RBH | 12/20/2015 1910 | 92636 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|------------------------|------------|-------------------|--------|---|------|-------|-------|-------|-----|
| Benzo(a)anthracene | 56-55-3 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.024 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.021 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D (SIM) | 0.080 | U | 0.20 | 0.080 | 0.040 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-------------------------|---|------------------|-------------------|
| 2-Methylnaphthalene-d10 | | 75 | 15-139 |
| Fluoranthene-d10 | | 93 | 23-154 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

| | |
|---|-----------------------------------|
| Client: AECOM - Resolution Consultants | Laboratory ID: QL16007-017 |
| Description: BEALB132MW03WG20151215 | Matrix: Aqueous |
| Date Sampled: 12/15/2015 1325 | |
| Date Received: 12/16/2015 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------|-------|
| 1 | 5030B | 8260B | 1 | 12/24/2015 0116 | ECP | | 92976 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|-----------------|------------|-------------------|--------|---|-----|------|------|-------|-----|
| Benzene | 71-43-2 | 8260B | 0.45 | U | 5.0 | 0.45 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 0.51 | U | 5.0 | 0.51 | 0.21 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8260B | 0.96 | U | 5.0 | 0.96 | 0.14 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | 0.48 | U | 5.0 | 0.48 | 0.24 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 0.57 | U | 5.0 | 0.57 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-----------------------|---|------------------|-------------------|
| Bromofluorobenzene | | 98 | 75-120 |
| 1,2-Dichloroethane-d4 | | 109 | 70-120 |
| Toluene-d8 | | 108 | 85-120 |
| Dibromofluoromethane | | 110 | 85-115 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**

Laboratory ID: **QL16007-017**

Description: **BEALB132MW03WG20151215**

Matrix: **Aqueous**

Date Sampled: **12/15/2015 1325**

Date Received: **12/16/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 3520C | 8270D (SIM) | 1 | 12/22/2015 1633 | RBH | 12/20/2015 1910 | 92636 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|------------------------|------------|-------------------|--------|---|------|-------|-------|-------|-----|
| Benzo(a)anthracene | 56-55-3 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.024 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.021 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D (SIM) | 0.080 | U | 0.20 | 0.080 | 0.040 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-------------------------|---|------------------|-------------------|
| 2-Methylnaphthalene-d10 | | 75 | 15-139 |
| Fluoranthene-d10 | | 87 | 23-154 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

| | |
|---|-----------------------------------|
| Client: AECOM - Resolution Consultants | Laboratory ID: QL16007-012 |
| Description: BEALB132MW04WG20151215 | Matrix: Aqueous |
| Date Sampled: 12/15/2015 0930 | |
| Date Received: 12/16/2015 | |

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------|-------|
| 1 | 5030B | 8260B | 1 | 12/23/2015 2325 | ECP | | 92976 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|--------------------|----------------|-------------------|-------------|----------|------------|-------------|-------------|-------------|----------|
| Benzene | 71-43-2 | 8260B | 0.45 | U | 5.0 | 0.45 | 0.21 | ug/L | 1 |
| Ethylbenzene | 100-41-4 | 8260B | 0.51 | U | 5.0 | 0.51 | 0.21 | ug/L | 1 |
| Naphthalene | 91-20-3 | 8260B | 0.47 | J | 5.0 | 0.96 | 0.14 | ug/L | 1 |
| Toluene | 108-88-3 | 8260B | 0.48 | U | 5.0 | 0.48 | 0.24 | ug/L | 1 |
| Xylenes (total) | 1330-20-7 | 8260B | 0.57 | U | 5.0 | 0.57 | 0.32 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-----------------------|---|------------------|-------------------|
| Bromofluorobenzene | | 103 | 75-120 |
| 1,2-Dichloroethane-d4 | | 107 | 70-120 |
| Toluene-d8 | | 109 | 85-120 |
| Dibromofluoromethane | | 109 | 85-115 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**

Laboratory ID: **QL16007-012**

Description: **BEALB132MW04WG20151215**

Matrix: **Aqueous**

Date Sampled: **12/15/2015 0930**

Date Received: **12/16/2015**

| Run | Prep Method | Analytical Method | Dilution | Analysis Date | Analyst | Prep Date | Batch |
|-----|-------------|-------------------|----------|-----------------|---------|-----------------|-------|
| 1 | 3520C | 8270D (SIM) | 1 | 12/22/2015 1417 | RBH | 12/20/2015 1910 | 92636 |

| Parameter | CAS Number | Analytical Method | Result | Q | LOQ | LOD | DL | Units | Run |
|------------------------|------------|-------------------|--------|---|------|-------|-------|-------|-----|
| Benzo(a)anthracene | 56-55-3 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(b)fluoranthene | 205-99-2 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.019 | ug/L | 1 |
| Benzo(k)fluoranthene | 207-08-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.024 | ug/L | 1 |
| Chrysene | 218-01-9 | 8270D (SIM) | 0.040 | U | 0.20 | 0.040 | 0.021 | ug/L | 1 |
| Dibenzo(a,h)anthracene | 53-70-3 | 8270D (SIM) | 0.080 | U | 0.20 | 0.080 | 0.040 | ug/L | 1 |

| Surrogate | Q | Run 1 % Recovery | Acceptance Limits |
|-------------------------|---|------------------|-------------------|
| 2-Methylnaphthalene-d10 | | 71 | 15-139 |
| Fluoranthene-d10 | | 83 | 23-154 |

PQL = Practical quantitation limit B = Detected in the method blank E = Quantitation of compound exceeded the calibration range H = Out of holding time Q = Surrogate failure
 ND = Not detected at or above the MDL J = Estimated result < PQL and ≥ MDL P = The RPD between two GC columns exceeds 40% N = Recovery is out of criteria L = LCS/LCSD failure
 Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" S = MS/MSD failure

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Appendix E
Historical Groundwater Analytical Results

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2019
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|--------------|-------------|-------------|----------|--------------|-------------|----------|----------|--------------------|----------------------|----------------------|-----------|-----------------------|------------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| | | | | | | | | | | | | | | | |
| 119 Banyan Drive | 57 Banyan Drive | BEALB119MW01 | 12/11/2015 | N | < 0.45 U | 5 | 36 J | < 0.48 U | 3.3 J | 0.065 J | 0.034 J | < 0.040 U | 0.079 J | < 0.080 U | |
| | | | 12/11/2015 | FD | < 0.45 U | 5 | 37 J | < 0.48 U | 3.5 J | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | 0.037 J | < 0.080 UJ |
| | | | 7/28/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 1/23/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB119MW02 | 12/11/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | 0.31 J | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/28/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/13/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 1/23/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB119MW03 | 12/11/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/28/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 6/13/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ |
| | | | 1/23/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB119MW04 | 12/14/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/28/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/13/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ |
| 1/23/2018 | N | | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 128 Banyan Drive | 156 Banyan Drive | BEALB128MW01 | 12/14/2015 | N | 0.68 J | 6.5 | 29 | 0.42 J | 21 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 7/28/2016 | N | 1.7 | 18 | 51 | 0.87 J | 19 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/14/2017 | N | 1.4 | 19 | 55 | 0.79 J | 33 | 0.048 J | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 1/22/2018 | N | NA | NA | 64 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/19/2019 | N | NA | NA | 6.1 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB128MW02 | 12/14/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/28/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | 0.043 J | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 1/22/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB128MW03 | 12/14/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/29/2016 | N | 1.4 | 7.1 | 39 | < 0.80 U | 15 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 6/13/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ |
| | | | 1/22/2018 | N | NA | NA | 10 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/19/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB128MW04 | 12/14/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | 7.4 | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/29/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| 7/29/2016 | FD | | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 6/13/2017 | N | | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | 0.043 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ | | |
| 1/22/2018 | N | | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 130 Banyan Drive | 174 Banyan Drive | BEALB130MW01 | 3/23/2017 | N | 1.2 | 66 | 160 | < 0.80 U | 12 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 1/19/2018 | N | 0.45 J | 35 | 96 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/19/2019 | N | < 0.80 U | 19 | 54 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 3/19/2019 | FD | < 0.80 U | 18 | 49 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB130MW02 | 12/19/2018 | N | < 0.80 U | 10 | 130 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 12/19/2018 | FD | < 0.80 U | 10 | 130 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | BEALB130MW03 | 3/19/2019 | N | 0.87 J | 16 | 150 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 12/19/2018 | N | < 0.80 U | 1.5 | 10 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | BEALB130MW04 | 3/19/2019 | N | < 0.80 U | 1.2 | 13 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 12/19/2018 | N | < 0.80 U | < 0.80 U | 0.42 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | BEALB130MW05 | 3/19/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| BEALB130MW06 | 4/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |

Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|--------------|-------------|-------------|----------|--------------|-------------|----------|----------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| | | | | | | | | | | | | | | | |
| 132 Banyan Drive | 188 Banyan Drive | BEALB132MW01 | 12/15/2015 | N | 7.9 | 42 | 150 J | < 0.48 U | 39 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 7/29/2016 | N | 30 | 78 | 200 | < 0.80 U | 60 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/15/2017 | N | 17 | 52 | 150 | < 0.80 U | 33 | 0.050 J | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 1/19/2018 | N | 33 | NA | 310 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/19/2019 | N | 22 | NA | 160 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/19/2019 | FD | 23 | NA | 180 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB132MW02 | 12/15/2015 | N | 0.50 J | < 0.51 U | 2.8 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/29/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | 1.2 | < 0.80 U | < 0.80 U | 0.041 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 1/19/2018 | N | < 0.80 U | NA | 0.99 J | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/19/2019 | N | 0.47 J | NA | 2.1 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB132MW03 | 12/15/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/29/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 1/19/2018 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/19/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB132MW04 | 12/15/2015 | N | < 0.45 U | < 0.51 U | 0.47 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 7/29/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | 0.13 J | < 0.10 U | < 0.10 U | 0.080 J | < 0.10 U | < 0.10 U |
| | | | 1/19/2018 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 3/19/2019 | N | | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 135 Birch Drive | 378 Birch Drive | BEALB135MW01 | 12/15/2015 | N | < 0.45 U | 3.4 J | 79 | < 0.48 U | 0.36 J | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 8/2/2016 | N | < 0.80 U | 2.4 | 45 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 8/2/2016 | FD | < 0.80 U | 2.6 | 47 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/14/2017 | N | 1 | 4.6 | 61 | < 0.80 U | 2.2 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 1/23/2018 | N | NA | NA | 64 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/19/2019 | N | NA | NA | 36 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB135MW02 | 12/14/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/1/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/13/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 1/23/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB135MW03 | 12/14/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/2/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/13/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | 0.096 J | < 0.10 U | < 0.10 U | 0.042 J | < 0.10 U | < 0.10 U |
| | | | 1/22/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB135MW04 | 12/14/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/1/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/13/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | 0.044 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 1/22/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 3/18/2019 | N | | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 148 Laurel Bay Boulevard | 917 Laurel Bay Boulevard | BEALB148MW01 | 12/16/2015 | N | < 0.45 U | 13 | 110 J | < 0.48 U | 8.9 | 0.045 J | < 0.040 U | < 0.040 U | 0.043 J | < 0.080 U | |
| | | | 8/2/2016 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | |
| | | | 6/15/2017 | N | < 0.80 U | 4 | 28 | < 0.80 U | < 0.80 U | 0.16 J | 0.042 J | < 0.10 UJ | 0.10 J | < 0.10 UJ | |
| | | | 1/22/2018 | N | NA | NA | NA | NA | NA | 0.24 | 0.098 J | < 0.10 U | 0.15 J | < 0.10 U | |
| | | | 3/18/2019 | N | NA | NA | 33 | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB148MW02 | 12/16/2015 | N | < 0.45 U | 0.60 J | 48 J | 0.24 J | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/2/2016 | N | < 0.80 U | < 0.80 U | 18 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 8/2/2016 | FD | < 0.80 U | < 0.80 U | 18 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N | < 0.80 U | < 0.80 U | 16 | < 0.80 U | < 0.80 U | 0.047 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 1/19/2018 | N | < 0.80 U | < 0.80 U | 14 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | BEALB148MW03 | 12/16/2015 | N | < 0.45 U | 0.56 J | 6.6 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/2/2016 | N | < 0.80 U | 0.93 J | 16 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N | < 0.80 U | 0.84 J | 5.4 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 1/19/2018 | N | < 0.80 U | 0.43 J | 2.7 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/18/2019 | N | NA | NA | 1.4 | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB148MW04 | 12/15/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/2/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 1/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/18/2019 | N | NA | NA | 0.50 J | NA | NA | NA | NA | NA | NA | NA | |

Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|--------------|-------------|-------------|----------|--------------|-------------|-----------|-----------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| | | | | | | | | | | | | | | | |
| 156 Laurel Bay Boulevard | 989 Laurel Bay Boulevard | BEALB156MW01 | 12/15/2015 | N | < 0.45 U | 9.2 | 72 | < 0.48 U | 25 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | |
| | | | 12/15/2015 | FD | < 0.45 U | 11 | 82 | < 0.48 U | 31 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 8/1/2016 | N | < 0.80 U | 13 | 110 | < 0.80 U | 18 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/14/2017 | N | < 0.80 U | 8.6 | 62 | < 0.80 U | 6.2 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 1/23/2018 | N | NA | NA | 110 | NA | NA | NA | NA | NA | NA | NA | |
| | | 3/19/2019 | N | NA | NA | 16 | NA | NA | NA | NA | NA | NA | NA | | |
| | | BEALB156MW02 | 12/15/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/1/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ | |
| | | | 1/23/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 3/18/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB156MW03 | 12/15/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/1/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ | |
| | | | 1/22/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 3/19/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB156MW04 | 12/15/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 8/1/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 UJ | < 0.10 U | < 0.10 U | |
| | | | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ | |
| | | | 1/22/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| 3/18/2019 | N | | NA | NA | 0.50 J | NA | NA | NA | NA | NA | NA | NA | | | |
| BEALB156MW05 | 12/15/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | |
| | 8/3/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| | 6/14/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | |
| | 1/22/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| | 3/18/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| 228 Cypress Street | 136 Cypress Street | BEALB228MW01 | 3/20/2018 | N | < 0.80 U | 18 | 86 | 1.3 | 52 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | 1.5 J | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/7/2019 | FD | < 0.80 U | < 0.80 U | 2.1 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB228MW02 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB228MW03 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB228MW04 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB228MW05 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| 3/7/2019 | N | | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| 254 Beech Street | 37 Beech Street | BEALB254MW01 | 3/20/2018 | N | 17 J | 15 J | 190 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/20/2018 | FD | 13 | 12 | 160 | < 0.80 U | < 0.80 U | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | | |
| | | | 3/13/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | | |
| | | BEALB254MW02 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/13/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 U | < 0.10 UJ | < 0.10 U | | |
| | | BEALB254MW03 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/11/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| BEALB254MW04 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| | 3/11/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | | |
| 256 Beech Street | 53 Beech Street | BEALB256MW01 | 3/23/2017 | N | 1.2 | 14 | 38 | < 0.80 U | 12 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 3/23/2017 | FD | 1.3 | 15 | 38 | < 0.80 U | 13 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 1/23/2018 | N | 2.3 | 14 | 50 | < 0.80 U | 2.2 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/11/2019 | N | < 0.80 U | 0.73 J | 1.8 | < 0.80 U | < 0.80 U | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | | |
| | | | 3/11/2019 | FD | < 0.80 U | 0.75 J | 1.9 | < 0.80 U | < 0.80 U | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | | |
| | | BEALB256MW02 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB256MW03 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB256MW04 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| 3/7/2019 | N | | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| BEALB256MW05 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| | 3/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| 268 Beech Street | 149 Beech Street | BEALB268MW01 | 3/20/2018 | N | < 0.80 U | 6.2 | 19 | < 0.80 U | 19 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |



Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene |
|--|--|---------------|-------------|-------------|-----------|--------------|-------------|-----------|-----------|--------------------|----------------------|----------------------|-----------|-----------------------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | |
| 273 Birch Drive | 82 Birch Drive | BEALB273MW01 | 7/25/2016 | N | 2.4 | 5.9 | 75 | < 0.80 U | 1.5 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/14/2017 | N | 1.9 | 16 | 170 | < 0.80 U | < 0.80 U | 0.056 J | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 1/23/2018 | N | 2.6 | 11 | 140 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/5/2019 | N | NA | NA | 100 | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB273MW02 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/6/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB273MW03 | 12/13/2018 | N | < 0.80 UJ | 0.72 J | 24 J | < 0.80 UJ | 0.67 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/5/2019 | N | NA | NA | 15 | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB273MW04 | 12/13/2018 | N | < 0.80 UJ | < 0.80 UJ | 0.78 J | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/5/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA |
| BEALB273MW05 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | 3/6/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | |
| 282 Birch Drive | 191 Birch Drive | BEALB282MW136 | 7/30/2013 | N | 0.41 J | 1.2 | 57 | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | |
| | | | 9/11/2014 | N | < 0.40 U | 0.76 J | 14 | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | |
| | | | 9/11/2014 | FD | < 0.40 U | 0.76 J | 15 | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | |
| | | | 9/15/2015 | N | < 0.45 U | NA | 16 | NA | NA | NA | NA | NA | NA | |
| | | | 9/15/2015 | FD | < 0.45 U | NA | 13 | NA | NA | NA | NA | NA | NA | |
| | | | 7/28/2016 | N | NA | NA | 15 | NA | NA | NA | NA | NA | NA | |
| | | BEALB282MW137 | 7/30/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | |
| | | | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | |
| | | | 7/28/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | |
| | | BEALB282MW138 | 7/30/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 9/12/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | |
| | | | 9/15/2015 | N | < 0.45 U | NA | 0.14 J | NA | NA | NA | NA | NA | NA | |
| | | | 7/27/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | |
| | | BEALB282MW139 | 7/30/2013 | N | < 0.25 U | < 0.25 U | 0.41 J | < 0.25 U | < 0.25 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 9/12/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | |
| 9/15/2015 | N | | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | | | |
| 7/27/2016 | N | | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | | | |
| 285 Birch Drive | 174 Birch Drive | BEALB285MW01 | 3/23/2017 | N | 0.95 | 5.1 | 33 | < 0.80 | 5.9 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| | | | 1/23/2018 | N | 2.1 | 10 | 60 | < 0.80 U | 7.2 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/6/2019 | N | 1.6 | 5.2 | 35 | < 0.80 | 1.4 | < 0.10 UJ | < 0.10 | < 0.10 UJ | < 0.010 | |
| | | BEALB285MW02 | 12/18/2018 | N | < 0.80 U | < 0.80 U | 0.41 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/6/2019 | N | < 0.80 U | < 0.80 U | 2 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB285MW03 | 12/18/2018 | N | 0.52 J | 1.5 | 39 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 3/6/2019 | N | 0.66 J | 1.6 | 37 | < 0.80 | < 0.80 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB285MW04 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/6/2019 | N | < 0.80 | < 0.80 | 0.49 J | < 0.80 | < 0.80 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB285MW05 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/6/2019 | N | < 0.80 | < 0.80 | 0.6 J | < 0.80 | < 0.80 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB285MW06 | 12/18/2018 | N | 3.1 | 4.9 | 56 | < 0.80 U | 12 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 12/18/2018 | FD | 3.3 | 5.2 | 61 | < 0.80 U | 13 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 3/6/2019 | N | 4.6 | 5.2 | 49 | < 0.80 U | 7.1 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| 3/6/2019 | FD | | 4.2 | 4.7 | 53 | < 0.80 U | 7.2 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | |
| 292 Birch Drive | 273 Birch Drive | BEALB285MW07 | 4/8/2019 | N | < 0.80 U | < 0.80 U | 9.1 | < 0.80 UJ | 0.52 J | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB292MW01 | 3/23/2017 | N | < 0.80 | 3.2 | 10 | < 0.80 | < 0.80 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |

Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|--------------|-------------|-------------|----------|--------------|-------------|-----------|-----------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| 325 Ash Street | 238 Ash Street | BEALB325MW01 | 7/25/2016 | N | < 0.80 U | 25 | 100 J | < 0.80 U | 18 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ | |
| | | | 6/14/2017 | N | < 0.80 U | 18 | 86 | < 0.80 U | 8.8 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 UJ | |
| | | | 1/23/2018 | N | < 0.80 U | 16 | 92 | < 0.80 U | 7.1 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/18/2019 | N | NA | NA | 80 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | FD | NA | NA | 86 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB325MW02 | 12/19/2018 | N | < 0.80 U | 6.9 | 41 | < 0.80 U | 20 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/18/2019 | N | NA | NA | 27 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB325MW03 | 12/19/2018 | N | < 0.80 U | 2.4 | 10 | < 0.80 U | 0.87 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/15/2019 | N | NA | NA | 8.8 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB325MW04 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/15/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB325MW05 | 12/19/2018 | N | < 0.80 U | < 0.80 U | 0.66 J | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 3/18/2019 | N | NA | NA | 0.62 J | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB325MW06 | 12/19/2018 | N | < 0.80 U | 21 | 91 | 0.56 J | 36 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| 3/18/2019 | N/A | | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | | |
| BEALB325MW07 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | 3/18/2019 | N | NA | NA | 0.43 J | NA | NA | NA | NA | NA | NA | NA | NA | | |
| BEALB325MW08 | 12/19/2018 | N | 1.7 | 21 | 140 | 0.51 J | 39 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | 3/18/2019 | N | NA | NA | 91 | NA | NA | NA | NA | NA | NA | NA | NA | | |
| | 3/18/2019 | FD | NA | NA | 92 | NA | NA | NA | NA | NA | NA | NA | NA | | |
| BEALB325MW09 | 4/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | 4/8/2019 | FD | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| BEALB325MW10 | 4/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 326 Ash Street | 239 Ash Street | BEALB326MW01 | 7/25/2016 | N | 2.6 | 15 | 49 | 0.86 J | 59 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 6/14/2017 | N | 2.2 | 8 | 37 | < 0.80 U | 23 | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | | |
| | | | 1/23/2018 | N | 3.7 | 19 | 74 | 0.68 J | 43 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/18/2019 | N | NA | NA | 51 | NA | NA | NA | NA | NA | NA | NA | |
| | | | 3/18/2019 | FD | NA | NA | 48 | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB326MW02 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 12/19/2018 | FD | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | BEALB326MW03 | 3/15/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | BEALB326MW04 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| 3/15/2019 | N | | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| BEALB326MW05 | 12/19/2018 | N | < 0.80 U | < 0.80 U | 0.60 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| | 3/15/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| 330 Ash Street | 309 Ash Street | BEALB330MW01 | 7/26/2016 | N | 1.3 | 48 | 120 | 0.86 J | 100 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 6/14/2017 | N | 1.5 | 46 | 150 | 1.1 | 68 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 1/24/2018 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | | |
| | | | 3/14/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | | |
| | | BEALB330MW02 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 3/14/2019 | N | < 0.80 U | < 0.80 U | 1.1 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB330MW03 | 12/17/2018 | N | < 0.80 U | < 0.80 U | 1.2 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| 3/15/2019 | N | | < 0.80 U | 0.84 J | 4.2 | < 0.80 U | 0.76 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | | |
| BEALB330MW04 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| | 3/15/2019 | N | < 0.80 U | < 0.80 U | 3.5 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | | |
| BEALB330MW05 | 12/18/2018 | FD | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| | 3/14/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | | |
| 331 Ash Street | 324 Ash Street | BEALB331MW01 | 3/23/2017 | N | < 0.80 | 2 | 41 | < 0.80 | 3.6 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | |
| | | | 1/24/2018 | N | < 0.80 U | 1 | 32 | < 0.80 U | 1.8 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 3/15/2019 | N | < 0.80 U | 0.82 J | 22 | < 0.80 U | 1.1 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 3/15/2019 | FD | < 0.80 U | 0.88 J | 23 | < 0.80 U | 1.1 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB331MW02 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 3/14/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB331MW03 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 3/14/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB331MW04 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 3/14/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| BEALB331MW05 | 12/18/2018 | N | < 0.80 U | < 0.80 U | 6.2 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | | |
| | 3/14/2019 | N | < 0.80 U | < 0.80 U | 0.89 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | | |

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2019
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene |
|--|--|--------------|-------------|-------------|-----------|--------------|-------------|-----------|-----------|--------------------|----------------------|----------------------|-----------|-----------------------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 |
| | | | | | | | | | | | | | | |
| 335 Ash Street | 350 Ash Street | BEALB335MW01 | 1/24/2018 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP |
| | | | 3/14/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP |
| | | BEALB335MW02 | 12/17/2018 | N | < 0.80 U | < 0.80 U | 6 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 12/17/2018 | FD | < 0.80 U | < 0.80 U | 6.7 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/14/2019 | N | < 0.80 U | < 0.80 U | 2.2 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | BEALB335MW03 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/14/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | BEALB335MW04 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/14/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | BEALB335MW05 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | 3/14/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 336 Ash Street | 381 Ash Street | BEALB336MW01 | 7/25/2016 | N | 5.9 | 12 | 55 | < 0.80 U | 2 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 7/25/2016 | FD | 6.6 | 13 | 63 | < 0.80 U | 2.3 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N | 7.7 | 21 | 130 | < 0.80 U | < 0.80 U | 0.041 J | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 1/24/2018 | N | 6.6 | 18 | 79 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/14/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP |
| | | BEALB336MW02 | 12/19/2018 | N | < 0.80 U | < 0.80 U | 0.81 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/14/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/14/2019 | FD | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB336MW03 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/14/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB336MW04 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 3/14/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB336MW05 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/14/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA |
| BEALB336MW06 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | 3/14/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | |
| 342 Ash Street | 445 Ash Street | BEALB342MW01 | 3/23/2017 | N | 0.68 | 0.72 | 5.1 | < 0.80 | < 0.80 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| 343 Ash Street | 410 Ash Street | BEALB343MW01 | 7/25/2016 | N | < 0.80 U | 13 | 37 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N | < 0.80 U | 3.9 | 7.7 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 1/24/2018 | N | < 0.80 U | 1.7 | 8.7 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/14/2019 | N | NA | NA | 3.5 | NA | NA | NA | NA | NA | NA | |
| | | BEALB343MW02 | 12/13/2018 | N | < 0.80 UJ | < 0.80 UJ | 0.60 J | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/14/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | |
| | | BEALB343MW03 | 12/13/2018 | N | < 0.80 UJ | < 0.80 UJ | 1.3 J | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/13/2019 | N | NA | NA | 34 | NA | NA | NA | NA | NA | NA | |
| | | BEALB343MW04 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/14/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | |
| BEALB343MW05 | 12/13/2018 | N | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| | 3/13/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | | | |
| 353 Ash Street | 502 Ash Street | BEALB353MW01 | 7/25/2016 | N | 0.97 J | 15 | 100 | < 0.80 U | 1.2 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N | 1.4 | 11 | 17 | < 0.80 U | 0.47 J | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | |
| | | | 1/26/2018 | N | 1.2 | 18 | 1.6 | < 0.80 U | 0.56 J | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | < 0.50 UJ | |
| | | | 3/14/2019 | N | NA | NA | 2.2 | NA | NA | NA | NA | NA | NA | |
| | | BEALB353MW02 | 12/19/2018 | N | < 0.80 U | 1.2 | 1.3 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 3/13/2019 | N | NA | NA | 1.2 | NA | NA | NA | NA | NA | NA | |
| | | BEALB353MW03 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/13/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | |
| | | BEALB353MW04 | 12/19/2018 | N | < 0.80 U | 4.5 | 29 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/13/2019 | N | NA | NA | 13 | NA | NA | NA | NA | NA | NA | |
| | | | 3/13/2019 | FD | NA | NA | 12 | NA | NA | NA | NA | NA | NA | |
| | | BEALB353MW05 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/14/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | |
| | | BEALB353MW06 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | 3/13/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | | | |
| BEALB353MW07 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | |
| | 3/13/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | | | |
| BEALB353MW08 | 12/19/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| | 3/13/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | | | |
| BEALB353MW09 | 4/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 UJ | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| BEALB353MW10 | 4/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |

Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|---------------|-------------|-------------|----------|--------------|-------------|----------|----------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| | | | | | | | | | | | | | | | |
| 388 Acorn Drive | 125 Acorn Drive | BEALB388MW110 | 7/29/2013 | N | 0.25 J | 15 | 72 | < 0.25 U | 23 | 0.33 | 0.19 J | < 0.11 U | 0.20 J | < 0.11 U | |
| | | | 9/10/2014 | N | 2.0 | 14 | 71 | < 0.20 U | 18 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 9/14/2015 | N | 0.75 J | NA | 49 BJ | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | 30 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | 34 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/24/2018 | N | NA | NA | 62 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | N | NA | NA | 35 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | FD | NA | NA | 32 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB388MW111 | 7/29/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | 0.48 J | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 9/14/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/24/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB388MW112 | 7/29/2013 | N | < 0.25 U | < 0.25 U | 14 | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | 26 | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 9/14/2015 | N | < 0.45 U | NA | 6.8 BJ | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | 2.8 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | FD | NA | NA | 3.2 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | 8.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/24/2018 | N | NA | NA | 3.5 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/18/2019 | N | NA | NA | 2.1 | NA | NA | NA | NA | NA | NA | NA | NA |
| 391 Acorn Drive | 138 Acorn Drive | BEALB391MW113 | 7/30/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB391MW114 | 7/29/2013 | N | < 0.25 U | < 0.25 U | 6.6 | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U |
| | | | 7/29/2013 | FD | < 0.25 U | < 0.25 U | 6.3 | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | 12 | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | BEALB391MW115 | 9/14/2015 | N | < 0.45 U | NA | 0.51 BJ | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/29/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.12 U | < 0.12 U | < 0.12 U | < 0.12 U | < 0.12 U | < 0.12 U |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | 0.89 J | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | BEALB391MW116 | 9/14/2015 | N | < 0.45 U | NA | 0.63 BJ | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/29/2013 | N | < 0.25 U | < 0.25 U | 3.7 | < 0.25 U | < 0.25 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | 0.57 J | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| 398 Acorn Drive | 203 Acorn Drive | BEALB398MW104 | 9/14/2015 | N | < 0.45 U | NA | 19 BJ | NA | NA | NA | NA | NA | NA | | |
| | | | 7/30/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | BEALB398MW105 | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 7/30/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | BEALB398MW106 | 9/15/2015 | N | < 0.45 U | NA | 0.18 J | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/30/2013 | N | 0.71 | 0.18 J | 0.93 | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U |
| | | | 9/10/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| 430 Elderberry Drive | 323 Elderberry Drive | BEALB430MW01 | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | | |
| | | | 7/22/2016 | N | < 0.80 U | 9.1 | 24 | < 0.80 U | 24 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 7/22/2016 | N | < 0.80 U | 9.1 | 24 | < 0.80 U | 24 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2019
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|---------------|-------------|-------------|----------|--------------|-------------|----------|----------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| | | | | | | | | | | | | | | | |
| 437 Elderberry Drive | 362 Elderberry Drive | BEALB437MW133 | 7/31/2013 | N | 0.93 | 25 | 110 | 0.57 | 49 | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | |
| | | | 7/31/2013 | FD | 0.96 | 26 | 110 | 0.61 | 50 | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | |
| | | | 9/11/2014 | N | 0.40 J | 8.8 | 41 | < 0.20 U | 18 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 9/11/2014 | FD | 0.41 J | 9.3 | 45 | < 0.20 U | 19 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 9/15/2015 | N | 1.5 J | NA | 180 BJ | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 9/15/2015 | FD | 1.3 J | NA | 200 BJ | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | 77 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | 170 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 1/25/2018 | N | NA | NA | 83 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | 3/11/2019 | N | NA | NA | 120 | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB437MW134 | 7/31/2013 | N | < 0.50 U | < 0.50 U | 6.9 | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | 1.1 | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 9/15/2015 | N | < 0.45 U | NA | 0.86 J | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | 0.88 J | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | 1.7 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | 1.0 | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 3/11/2019 | N | NA | NA | 0.72 J | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB437MW135 | 7/31/2013 | N | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/24/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 3/11/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB437MW140 | 7/31/2013 | N | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/24/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 3/12/2019 | N | NA | NA | 0.66 J | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | 3/12/2019 | FD | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB437MW141 | 7/31/2013 | N | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/15/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/24/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 3/12/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB437MW142 | 7/31/2013 | N | < 0.50 U | < 0.50 U | 0.33 J | < 0.50 U | 0.18 J | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U |
| | | | 9/15/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA |
| 7/27/2016 | N | | NA | NA | 2.4 | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 6/15/2017 | N | | NA | NA | 1.1 | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 1/24/2018 | N | | NA | NA | 0.67 J | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 3/12/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | | | |
| 440 Elderberry Drive | 405 Elderberry Drive | BEALB440MW01 | 7/22/2016 | N | 1.1 | 16 | 88 | < 0.80 U | 11 | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | | |
| | | | 7/22/2016 | FD | 1 | 15 | 90 | < 0.80 U | 9.7 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 6/15/2017 | N | 0.56 J | 8.5 | 64 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 1/24/2018 | N | < 0.80 U | 3.4 | 31 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/12/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB440MW02 | 12/18/2018 | N | < 0.80 U | < 0.80 U | 1.6 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/12/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB440MW03 | 12/18/2018 | N | < 0.80 U | < 0.80 U | 3.2 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/12/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB440MW04 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| 3/12/2019 | N | | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| BEALB440MW05 | 12/18/2018 | N | < 0.80 U | < 0.80 U | 0.53 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| | 3/12/2019 | N | NA | NA | 2.1 | NA | NA | NA | NA | NA | NA | NA | | | |
| 441 Elderberry Drive | 392 Elderberry Drive | BEALB441MW117 | 7/31/2013 | N | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | | |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | 0.54 J | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | |
| | | BEALB441MW118 | 7/31/2013 | N | < 0.50 U | < 0.50 U | 6.9 | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | | |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | 2.7 | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | |
| | | BEALB441MW119 | 7/31/2013 | N | < 0.50 U | 0.22 J | 7.0 | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | | |
| | | | 9/11/2014 | N | < 0.40 U | 0.33 J | 8.1 | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | | |

Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|--------------|-------------|-------------|----------|--------------|-------------|-----------|-----------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| 456 Elderberry Drive | 537 Elderberry Drive | BEALB456MW01 | 7/22/2016 | N | 6.1 | 44 | 200 | < 4.0 U | 28 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N | 5.4 | 64 | 340 | < 0.80 U | 41 | 0.21 J | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | |
| | | | 1/26/2018 | N | 4.4 J | 51 | 320 | < 4.0 U | 36 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/8/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP |
| | | BEALB456MW02 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/8/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB456MW03 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/8/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB456MW04 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 3/11/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA |
| BEALB456MW05 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | 3/8/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | | |
| 458 Elderberry Drive | 551 Elderberry Drive | BEALB458MW01 | 7/22/2016 | N | 1.5 | 19 | 76 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 6/15/2017 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | |
| | | | 1/26/2018 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | |
| | | | 3/13/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | |
| | | BEALB458MW02 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/13/2019 | N | < 0.80 U | < 0.80 U | 7.6 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB458MW03 | 12/18/2018 | N | < 0.80 U | < 0.80 U | 0.75 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/13/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB458MW04 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | 0.040 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/13/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| 468 Dogwood Drive | 65 Dogwood Drive | BEALB468MW01 | 7/25/2016 | N | < 0.80 U | < 0.80 U | 1.3 | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 473 Dogwood Drive | 82 Dogwood Drive | BEALB473MW01 | 3/23/2017 | N | < 0.80 U | 11 | 57 | < 0.80 U | 2.7 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 1/24/2018 | N | < 0.80 U | 5.3 | 37 | < 0.80 U | 0.60 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 3/13/2019 | N | < 0.80 U | 4.4 | 32 | < 0.80 U | 1.4 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | | 3/13/2019 | FD | < 0.80 U | 4.5 | 30 | < 0.80 U | 1.4 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB473MW02 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 3/12/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB473MW03 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/13/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB473MW04 | 12/18/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 12/18/2018 | FD | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| BEALB473MW05 | 3/13/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | |
| | 12/18/2018 | N | < 0.80 U | < 0.80 U | 0.51 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| 3/12/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| 518 Laurel Bay Boulevard | 403 Laurel Bay Boulevard | BEALB518MW01 | 7/26/2016 | N | < 0.80 U | 1.5 | 20 | < 0.80 U | 2.6 | < 0.10 U | 0.16 J | < 0.10 U | 0.15 J | | |
| 635 Dahlia Drive | 542 Dahlia Drive | BEALB635MW01 | 7/22/2016 | N | < 0.80 U | < 0.80 U | 0.81 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 638 Dahlia Drive | 549 Dahlia Drive | BEALB638MW01 | 7/22/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 640 Dahlia Drive | 569 Dahlia Drive | BEALB640MW01 | 7/22/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB640MW02 | 7/22/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 647 Dahlia Drive | 668 Dahlia Drive | BEALB647MW01 | 7/21/2016 | N | < 0.80 U | 0.59 J | 4.3 | < 0.80 U | 0.79 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 648 Dahlia Drive | 633 Dahlia Drive | BEALB648MW01 | 7/21/2016 | N | < 0.80 U | 1.2 | 4.8 | < 0.80 U | 1.9 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 6/16/2017 | N | < 0.80 U | 5.3 | 7.7 | < 0.80 U | 0.98 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | | 1/24/2018 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | |
| | | | 3/7/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | |
| | | BEALB648MW02 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/8/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB648MW03 | 12/17/2018 | N | < 0.80 U | < 0.80 U | 0.43 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB648MW04 | 12/13/2018 | N | < 0.80 U | < 0.80 U | 0.86 J | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | 3.9 | < 0.80 U | 0.48 J | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |

Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|---------------|-------------|-------------|-----------|--------------|-------------|-----------|-----------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| | | | | | | | | | | | | | | | |
| 650 Dahlia Drive | 653 Dahlia Drive | BEALB650MW01 | 7/21/2016 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | |
| | | | 6/16/2017 | N | 0.56 J | 13 | 59 | < 0.80 U | 2.3 | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 1/26/2018 | N | < 0.80 U | 4.3 | 12 | < 0.80 U | 0.46 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/7/2019 | N | < 0.80 U | 0.62 J | 0.84 J | < 0.80 U | < 0.80 U | 0.11 J | 0.067 J | 0.053 J | 0.072 J | 0.050 J | |
| | | | 3/7/2019 | FD | < 0.80 U | 0.74 J | 1.1 | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | BEALB650MW02 | 7/21/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 6/15/2017 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | | 1/26/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | BEALB650MW03 | 12/17/2018 | N | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/7/2019 | N | < 0.80 U | < 0.80 U | 0.86 J | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| | | BEALB650MW04 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ |
| 3/7/2019 | N | | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| BEALB650MW05 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | 3/7/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| BEALB650MW06 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | 3/6/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| 652 Dahlia Drive | 669 Dahlia Drive | BEALB652MW01 | 7/21/2016 | N | < 0.80 U | < 0.80 U | 0.61 J | < 0.80 U | 0.49 J | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| | | BEALB652MW02 | 7/21/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | |
| 747 Blue Bell Lane | 426 Blue Bell Lane | BEALB747MW01 | 3/23/2017 | N | < 0.80 | 2.1 | 22 | < 0.80 | 0.7 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | |
| 749 Blue Bell Lane | 440 Blue Bell Lane | BEALB749MW01 | 3/23/2017 | N | < 0.80 | 3.3 | 29 | < 0.80 | 7.4 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | | |
| | | | 1/25/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/6/2019 | N | < 0.80 U | < 0.80 U | 0.53 J | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB749MW02 | 12/13/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/6/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB749MW03 | 12/13/2018 | N | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/6/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB749MW04 | 12/13/2018 | N | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 3/6/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | BEALB749MW05 | 12/13/2018 | N | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.80 UJ | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| 3/5/2019 | N | | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | |
| 760 Althea Street | 101 Althea Street | BEALB760MW01 | 7/21/2016 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| 774 Althea Street | 247 Althea Street | BEALB774MW01 | 3/20/2018 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | | |
| | | | 3/12/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | | |
| | | BEALB774MW02 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/12/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB774MW03 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 3/12/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | |
| | | BEALB774MW04 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| 3/12/2019 | N | | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| BEALB774MW05 | 12/17/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | | | |
| | 3/12/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | | | | |
| 775 Althea Street | 244 Althea Street | BEALB775MW01 | 3/23/2017 | N | < 0.80 | 6.2 | 23 | < 0.80 | < 0.80 | < 0.10 | < 0.10 | < 0.10 | | | |
| 1033 Foxglove Street | 256 Foxglove Street | BEALB1033MW01 | 12/16/2015 | N | < 0.45 U | < 0.51 U | 1.1 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | |
| | | | 12/16/2015 | FD | < 0.45 U | < 0.51 U | 0.84 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | |
| | | BEALB1033MW02 | 12/16/2015 | N | < 0.45 U | < 0.51 U | < 0.96 U | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | |
| | | | 12/16/2015 | N | < 0.45 U | < 0.51 U | 0.30 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | |
| BEALB1033MW03 | 12/15/2015 | N | < 0.45 U | < 0.51 U | 0.71 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | | |
| | 12/15/2015 | N | < 0.45 U | < 0.51 U | 0.71 J | < 0.48 U | < 0.57 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | | |
| 1034 Foxglove Street | 261 Foxglove Street | BEALB1034MW01 | 3/24/2017 | N | < 0.80 | < 0.80 | 1.5 | < 0.80 | < 0.80 | < 0.10 | < 0.10 | < 0.10 | | | |

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2019
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | | |
|--|--|----------------|-------------|-------------|---------------|---------------|---------------|---------------|-------------|--------------------|----------------------|----------------------|-----------|-----------------------|-----------|-----------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | | |
| 1054 Gardenia Drive | Empty Lot | BEALB1054DMW1 | 8/1/2013 | N | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U | |
| | | | 9/16/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | 0.99 J | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/19/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/4/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB1054MW2 | 8/1/2013 | N | < 0.50 U | < 0.50 U | 3.7 | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 8/1/2013 | FD | < 0.50 U | < 0.50 U | 3.7 | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | 0.45 J | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U |
| | | | 9/16/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/19/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | 3/4/2019 | N | NA | NA | 0.58 J | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB1054MW4 | 8/1/2013 | N | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U |
| | | | 9/16/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/28/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/19/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/4/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB1054MW7 | 8/1/2013 | N | < 0.50 U | < 0.50 U | 3.6 | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | 1.5 | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U |
| | | | 9/16/2015 | N | < 0.45 U | NA | < 0.96 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/19/2017 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/4/2019 | N | NA | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB1054MW127 | 8/1/2013 | N | < 0.50 U | 2.5 | 25 | < 0.50 U | 0.62 | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ |
| | | | 9/11/2014 | N | < 0.40 U | 2.3 | 15 | < 0.20 U | 1.1 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U |
| | | | 9/16/2015 | N | < 0.45 U | NA | 17 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/28/2016 | N | NA | NA | 8.3 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/19/2017 | N | NA | NA | 7.2 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | 8.7 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/4/2019 | N | NA | NA | 5.4 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB1054MW128 | 8/1/2013 | N | < 0.50 U | 4.4 | 42 | 0.20 J | 6.3 | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ | < 0.21 UJ |
| | | | 9/11/2014 | N | < 0.40 U | 2.4 | 18 | < 0.20 U | 2.5 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U |
| | | | 9/16/2015 | N | < 0.45 U | NA | 23 BJ | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/27/2016 | N | NA | NA | 4.9 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/19/2017 | N | NA | NA | 13 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | 7.0 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/4/2019 | N | NA | NA | 11 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | BEALB1054MW129 | 8/1/2013 | N | 0.32 J | 18 | 73 | 2.1 | 35 | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U |
| | | | 9/11/2014 | N | 0.19 J | 13 | 54 | 1.3 | 25 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U |
| | | | 9/11/2014 | FD | 0.19 J | 12 | 44 | 1.3 | 22 | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | < 0.080 U |
| | | | 9/16/2015 | N | < 0.45 U | NA | 54 BJ | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 9/16/2015 | FD | < 0.45 U | NA | 59 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 7/28/2016 | N | NA | NA | 29 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 6/19/2017 | N | NA | NA | 31 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 1/25/2018 | N | NA | NA | 41 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/5/2019 | N | NA | NA | 45 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| | | | 3/5/2019 | FD | NA | NA | 43 | NA | NA | NA | NA | NA | NA | NA | NA | NA |

Appendix E-3
 Historical Groundwater Analytical Results - 2013 through 2019
 Laurel Bay Military Housing Area
 MCAS Beaufort, South Carolina

| Old Laurel Bay Military Housing Area Address | New Laurel Bay Military Housing Area Address | SCDHEC RBSLs | | | Benzene | Ethylbenzene | Naphthalene | Toluene | Xylenes | Benzo(a)anthracene | Benzo(b)fluoranthene | Benzo(k)fluoranthene | Chrysene | Dibenz(a,h)anthracene | |
|--|--|-----------------|-------------|-------------|----------------|----------------|----------------|----------------|----------------|--------------------|----------------------|----------------------|----------------|-----------------------|----------------|
| | | Well ID | Sample Date | Sample Type | 5 | 700 | 25 | 1000 | 10000 | 10 | 10 | 10 | 10 | 10 | |
| 1452 Cardinal Lane | 567 Cardinal Lane | BEALB1452MW01 | 3/23/2017 | N | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.80 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| | | | 2/26/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | BEALB1452MW02 | 3/20/2018 | N | < 0.80 U | 3.9 | 45 | < 0.80 U | 17 | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | < 0.10 UJ | |
| | | | 2/26/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP |
| | | BEALB1452MW03 | 12/14/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 2/26/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | BEALB1452MW04 | 12/14/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 2/26/2019 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 2/26/2019 | FD | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| | | | 12/14/2018 | N | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.80 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U |
| 1472 Cardinal Lane | 743 Cardinal Lane | BEALB1472MW130 | 8/2/2013 | N | 3.3 | 13 | 37 | 0.33 J | 19 | < 0.11 UJ | < 0.11 UJ | < 0.11 UJ | < 0.11 UJ | < 0.11 UJ | |
| | | | 8/2/2013 | FD | 3.2 | 13 | 37 | 0.32 J | 18 | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | |
| | | | 9/12/2014 | N | 5.6 | 17 | 36 | 0.40 J | 14 J | < 0.40 U | < 0.40 U | < 0.40 U | < 0.40 U | < 0.80 U | |
| | | | 9/12/2014 | FD | 5.8 | 19 | 40 | 0.42 J | 18 | < 0.40 U | < 0.40 U | < 0.40 U | < 0.40 U | < 0.80 U | |
| | | BEALB1472MW130R | 3/24/2017 | N | 2.9 | 41 | 110 | 1.1 | 110 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| | | | 3/24/2017 | FD | 2.6 | 39 | 110 | 1 | 100 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | < 0.10 | |
| | | | 6/19/2017 | N | 2.6 | NA | 74 | NA | NA | NA | NA | NA | NA | NA | |
| | | | 1/30/2018 | N | 2.3 | NA | 62 J | NA | NA | NA | NA | NA | NA | NA | |
| | | | 1/30/2018 | FD | 2.4 | NA | 56 J | NA | NA | NA | NA | NA | NA | NA | |
| | | | 2/26/2019 | N/A | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP | NS - FP |
| | | BEALB1472MW131 | 8/2/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | |
| | | | 9/12/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 6/19/2017 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 1/30/2018 | N | < 0.80 U | NA | 0.98 J | NA | NA | NA | NA | NA | NA | NA | |
| | | | 2/26/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB1472MW132 | 8/2/2013 | N | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.25 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | < 0.10 U | |
| | | | 9/12/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 6/16/2017 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 1/30/2018 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 2/26/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB1472MW143 | 8/2/2013 | N | < 0.25 U | < 0.25 U | 3.8 | < 0.25 U | < 0.25 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | < 0.11 U | |
| | | | 9/12/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 6/16/2017 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 1/29/2018 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | | 2/26/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | | BEALB1472MW144 | 8/2/2013 | N | < 0.25 U | < 0.25 U | 4.1 | < 0.25 U | < 0.25 U | < 0.11 UJ | < 0.11 UJ | < 0.11 UJ | < 0.11 UJ | < 0.11 UJ | |
| | | | 9/12/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | |
| | | | 6/16/2017 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | |
| | 1/29/2018 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| | 2/26/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| BEALB1472MW145 | 8/1/2013 | N | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.50 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | < 0.21 U | | | |
| | 9/12/2014 | N | < 0.40 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.40 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.040 U | < 0.080 U | | | |
| | 6/16/2017 | N | < 0.80 UJ | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| | 1/26/2018 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |
| | 2/26/2019 | N | < 0.80 U | NA | < 0.80 U | NA | NA | NA | NA | NA | NA | NA | | | |

Notes:
 All units are in micrograms per liter (µg/L)
 Bold font indicates the analyte was detected.
 Bold font and shading indicates the concentration exceeds the SC RBSL.
 * - The VOC analyses were inadvertently cancelled for sample BEAL148MW01 in January 2018; however, there was a duplicate sample collected at this location (BEAL148MW01-a). The results of the duplicate sample are valid, and therefore the duplicate sample result will be utilized as the primary sample result.
 FP - free product
 J - Estimated Value
 N/A - not applicable
 NA - not analyzed
 NS - not sampled
 Sample Type N = normal sample, FD = duplicate sample
 U or < = Non-detect at laboratory detection limit

Appendix F
Laboratory Analytical Reports - Vapor

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: AECOM

Client Sample ID: BEALB132NS01GS20170509

Client Project ID: WE56 -188 Banyan Drive / 60342031.FL.WI

ALS Project ID: P1702379

ALS Sample ID: P1702379-001

Test Code: EPA TO-15

Date Collected: 5/9/17

Instrument ID: Tekmar AUTOCAN/Agilent 5975Cinert/6890N/MS16

Date Received: 5/18/17

Analyst: Lusine Hakobyan

Date Analyzed: 5/24/17

Sampling Media: 1.0 L Summa Canister

Volume(s) Analyzed: 0.035 Liter(s)

Test Notes:

Container ID: 1SC00469

Initial Pressure (psig): -1.21

Final Pressure (psig): 5.76

Canister Dilution Factor: 1.52

| CAS # | Compound | Result µg/m ³ | LOQ µg/m ³ | LOD µg/m ³ | MDL µg/m ³ | Data Qualifier |
|-------------|--------------|-----------------------------|--------------------------|--------------------------|--------------------------|-------------------|
| 71-43-2 | Benzene | 18 | 22 | 18 | 6.9 | U |
| 108-88-3 | Toluene | 18 | 22 | 18 | 7.4 | U |
| 100-41-4 | Ethylbenzene | 46 | 22 | 18 | 6.9 | |
| 179601-23-1 | m,p-Xylenes | 120 | 43 | 37 | 13 | |
| 95-47-6 | o-Xylene | 18 | 22 | 18 | 6.5 | U |
| 91-20-3 | Naphthalene | 19 | 22 | 19 | 7.8 | U |

U = Undetected at the limit of detection: The associated data value is the limit of detection, adjusted by any dilution factor used in the analysis.

LOQ = Limit of Quantitation - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: AECOM

Client Sample ID: BEALB132SS01GS20170710

Client Project ID: WE56-188 Banyan Drive / 60342031.FI.WI

ALS Project ID: P1703355

ALS Sample ID: P1703355-001

Test Code: EPA TO-15

Date Collected: 7/10/17

Instrument ID: Tekmar AUTOCAN/Agilent 5973inert/6890N/MS9

Date Received: 7/17/17

Analyst: Simon Cao

Date Analyzed: 7/18/17

Sampling Media: 1.0 L Summa Canister

Volume(s) Analyzed: 0.40 Liter(s)

Test Notes:

Container ID: 1SC01365

Initial Pressure (psig): -1.07

Final Pressure (psig): 6.45

Container Dilution Factor: 1.55

| CAS # | Compound | Result µg/m ³ | LOQ µg/m ³ | LOD µg/m ³ | MDL µg/m ³ | Data Qualifier |
|-------------|--------------|-----------------------------|--------------------------|--------------------------|--------------------------|-------------------|
| 71-43-2 | Benzene | 0.72 | 1.9 | 1.6 | 0.62 | J |
| 108-88-3 | Toluene | 6.3 | 1.9 | 1.6 | 0.66 | |
| 100-41-4 | Ethylbenzene | 2.6 | 1.9 | 1.6 | 0.62 | |
| 179601-23-1 | m,p-Xylenes | 5.3 | 3.9 | 3.3 | 1.2 | |
| 95-47-6 | o-Xylene | 2.6 | 1.9 | 1.6 | 0.58 | |
| 91-20-3 | Naphthalene | 0.82 | 1.9 | 1.7 | 0.70 | J |

U = Undetected at the limit of detection: The associated data value is the limit of detection, adjusted by any dilution factor used in the analysis.

LOQ = Limit of Quantitation - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

J = The result is an estimated concentration that is less than the LOQ but greater than or equal to the MDL.

Appendix G
Regulatory Correspondence



C. Earl Hunter, Commissioner

Promoting and protecting the health of the public and the environment.

May 15, 2009

Commanding Officer
ATTN: S-4 NREAO (Craig Ehde)
MCAS
PO Box 55001
Beaufort, SC 29904-5001

Re: MCAS – Laurel Bay Housing –132 Banyan St.
Site ID # 04183
UST Closure Report received 24 April 2009
Beaufort County

Dear Mr. Ehde:

The purpose of this letter is to verify a release of fuel oil at the referenced residence. According to information received by the Department, the source of the release is from past onsite use of fuel oil USTs. To date, initial activities by the facility have included tank removal and soil sampling. Based on the information contained in the closure report, a potential violation of the South Carolina Pollution Control Act has occurred in that there has been an unauthorized release of petroleum to the environment.

Additional assessment activities are required for this site. Specifically the Department requests that a groundwater sample be collected from this site. Please note, the Department approved a groundwater sampling proposal for Laurel Bay submitted by MCAS under separate cover dated 16 June 2008.

Should you have any questions, please contact me at 803-896-4179 or cookejt@dhec.sc.gov.

Sincerely,

Jan T. Cooke, Hydrogeologist
AST Petroleum Restoration & Site Environmental Investigations Section
Division of Site Assessment, Remediation & Revitalization
Bureau of Land and Waste Management

cc: Region 8 District EQC



Catherine E. Heigel, Director

Promoting and protecting the health of the public and the environment

Division of Waste Management
Bureau of Land and Waste Management

August 6, 2015

Commanding Officer
Attention: NREAO Mr. William A. Drawdy
United State Marine Corps Air Station
Post Office Box 55001
Beaufort, SC 29904-5001

RE: Approval Response to Comments and Concurrence with Final Initial Groundwater Investigation Report-July 2013
Laurel Bay Military Housing Area Multiple Properties
Dated June 2015

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data in the above referenced Groundwater Investigation Report for the addresses attached. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, permanent wells should be installed at the 10 stated addresses. For the remaining 25 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

Please note that the Department's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, the Department retains the right to request further investigation if deemed necessary.

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus
RCRA Federal Facilities Section

Attachment: Specific Property Recommendations

Cc: Russell Berry, EQC Region 8 (via email)
Shawn Dolan, Resolution Consultants (via email)
Bryan Beck, NAVFAC MIDATLANTIC (via email)
Craig Ehde (via email)

Attachment to: Petrus to Drawdy
 Subject: Draft Final Initial Groundwater Investigation Report-July 2013
 Specific Property Recommendations
 Dated August 6, 2015

Draft Final Initial Groundwater Investigation Report for (35 addresses/38 tanks)

| Permanent Monitoring Well Investigation recommendation (10 addresses/11 tanks) | |
|---|----------------|
| 119 Banyan | 156 Laurel Bay |
| 128 Banyan | 1033 Foxglove |
| 132 Banyan | 1055 Gardenia |
| 135 Birch | 1059 Gardenia |
| 148 Laurel Bay | 1168 Jasmine |
| No Further Action recommendation (25 addresses/27 tanks): | |
| 115 Banyan | 386 Acorn |
| 116 Banyan | 395 Acorn |
| 120 Banyan | 399 Acorn |
| 124 Banyan | 1021 Foxglove |
| 125 Banyan | 1027 Foxglove |
| 136 Birch | 1030 Foxglove |
| 140 Laurel Bay | 1032 Foxglove |
| 144 Laurel Bay | 1053 Gardenia |
| 152 Laurel Bay | 1058 Gardenia |
| 160 Cypress | 1061 Gardenia |
| 263 Beech | 1166 Jasmine |
| 269 Birch | 1169 Jasmine |
| 295 Birch | |



July 21, 2016

Commanding Officer
Attention: NREAO Mr. William A. Drawdy
United State Marine Corps Air Station
Post Office Box 55001
Beaufort, SC 29904-5001

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (the Department) received groundwater data from permanent monitoring well installations in the Draft Final Groundwater Assessment Report November and December 2015, Laurel Bay Military Housing Area for the addresses shown in the attachment. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

Per the Department's request, groundwater samples were collected from the attached referenced addresses. The Department reviewed the groundwater data and previous investigations and it agrees with the conclusions and recommendations included in the document. To further assess the impact to groundwater, groundwater monitoring should begin at the eight stated addresses. For the remaining two addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time.

Please note that the Department's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, the Department retains the right to request further investigation if deemed necessary.

If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus, Environmental Engineer Associate
Bureau of Land and Waste Management

Attachment: Specific Property Recommendations

Cc: Russell Berry, EQC Region 8
Shawn Dolan, Resolution Consultants
Bryan Beck, NAVFAC MIDATLANTIC

Attachment to: Petrus to Drawdy
Subject: Draft Final Groundwater Assment Report-November and December 2015
Specific Property Recommendations
Dated July 21, 2016

Draft Final Initial Groundwater Assessment Report for (10 addresses)

| Groundwater Monitoring recommendation (8 addresses) | |
|---|---------------------|
| 119 Banyan Drive | 148 Laurel Bay Blvd |
| 128 Banyan Drive | 156 Laurel Bay Blvd |
| 132 Banyan Drive | 1055 Gardenia Drive |
| 135 Birch Drive | 1059 Gardenia Drive |
| | |
| No Further Action recommendation (2 addresses): | |
| 1033 Foxglove Street | 1168 Jasmine Street |
| | |
| | |



December 17, 2019

Commanding Officer
Attention: NREAO Mr. Christopher L. Vaigneur
United States Marine Corps Air Station
Post Office Box 55001
Beaufort, SC 29904-5001

RE: Approval - Draft Final 2019 Groundwater Monitoring Report
Laurel Bay Military Housing Area, Multiple Properties, Beaufort, SC
(Resolution Consultants, dated October 2019)

Dear Mr. Vaigneur,

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced document on October 28, 2019. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

DHEC has reviewed the document and requests some additional down-gradient wells be installed at some properties. DHEC also requests a topic be added to the next Tier I Meeting to review the groundwater trends at the attached listed properties to discuss the current monitoring program and the data gaps.

No changes to this document are necessary and DHEC now considers the 2019 Groundwater Monitoring Report for the Laurel Bay Military Housing Area, Multiple Properties to be Final. DHEC agrees with the recommendation of NFA for 1132 Iris Lane.

Please note that DHEC's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this may require additional action. Furthermore, DHEC retains the right to request further investigation if it is deemed necessary. If you have any questions, please contact Kent Krieg at kriegkm@dhec.sc.gov or 803-898-0255.

Sincerely,

Lisa Appel
RCRA Federal Facilities Section
Division of Waste Management

Attachment

cc: Bryan Beck, NAVFAC MIDLANT (via email)
Craig Ehde, NREAO (via email)
Shawn Dolan, AECOM (via email)
Reahnita Tuten, EQC Region 8 (via email)

Attachment: Appel to Vaigneur, Dated December 17, 2019

Re: Approval Draft Final 2019 Groundwater Monitoring Report
Laurel Bay Military Housing Area, Multiple Properties, Beaufort, SC
(Resolution Consultants, dated October 2019)

Properties to discuss the current monitoring program, and address any potential data gaps, during the next Tier I Meeting in February 2020:

| | |
|-----------------|---|
| 285 Birch Drive | 388 Acorn Drive (due to proximity of 326 Ash) |
| 325 Ash Street | 1054 Gardenia Street |
| 326 Ash Street | 1148 Iris Lane |
| 330 Ash Street | 1385 Dove Lane |
| 343 Ash Street | 1407 Eagle Lane |



August 29, 2018

Commanding Officer
Attention: NREAO Mr. William A. Drawdy
United State Marine Corps Air Station
Post Office Box 55001
Beaufort, SC 29904-5001

RE: Approval Draft Final Letter Report-Petroleum Vapor Intrusion Investigations
April 2017 through February 2018
Laurel Bay Military Housing Area

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received the Vapor Intrusion Investigation Report for multiple properties on July 30, 2018. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

DHEC has reviewed the Investigation Report and based on this review, DHEC did not generate any comments on the report. Please note that DHEC's decision is based on information provided by the Marine Corps Air Station (MCAS) to date. Any information found to be contradictory to this decision may require additional action. Furthermore, DHEC retains the right to request further investigation if deemed necessary. If you have any questions, please contact me at petruslb@dhec.sc.gov or 803-898-0294.

Sincerely,

Laurel Petrus, Environmental Engineer Associate
Bureau of Land and Waste Management

Cc: EQC Region 8
Shawn Dolan, Resolution Consultants
Bryan Beck, NAVFAC MIDLANT