SUMMARY REPORT
191 GARDENIA DRIVE (FORMERLY 1055 GARDENIA 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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Prepared by:

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Contract Number: N62470-14-D-9016
CTO WE52
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, a No Further Action (NFA) determination has been made by the South Carolina Department of Health and Environmental Control (SCDHEC) for 191 Gardenia Drive (Formerly 1055 Gardenia Drive). This NFA determination indicates that there are no unacceptable risks to human health or the environment for the petroleum constituents associated with the home heating oil UST. 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 (long-term monitoring [LTM]) is established. LTM is conducted at the 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. 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 191 Gardenia Drive (Formerly 1055 Gardenia Drive). The sampling activities at 191 Gardenia Drive (Formerly 1055 Gardenia 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 – 1055 Gardenia 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 2015* (Resolution Consultants, 2016). 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 *2018 Groundwater Monitoring Report* (Resolution Consultants, 2018). 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 report that includes the pertinent soil gas analytical results for this site is presented in Appendix F.

2.1 UST Removal and Soil Sampling

On June 2, 2009, a single 280 gallon heating oil UST was removed from the front grassed area at 191 Gardenia Drive (Formerly 1055 Gardenia Drive). The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The UST was 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 removal. According to the UST Assessment Report (Appendix B), the depth to the base of the UST was 4'10" bgs and a single soil sample was collected from that depth. The sample was collected from the fill port side of the former UST 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 location 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 location at 191 Gardenia Drive (Formerly 1055 Gardenia Drive) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated August 19, 2009, SCDHEC requested an IGWA for 191 Gardenia Drive (Formerly 1055 Gardenia 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 24, 2013, a single temporary monitoring well was installed at 191 Gardenia Drive (Formerly 1055 Gardenia 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 UST. The former UST location is 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.H-I (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 191 Gardenia Drive (Formerly 1055 Gardenia 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 191 Gardenia Drive (Formerly 1055 Gardenia 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 December 2015, four permanent monitoring wells were installed at 191 Gardenia Drive (Formerly 1055 Gardenia 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 UST and the IGWA sample location. The former UST location is 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 191 Gardenia Drive (Formerly 1055 Gardenia 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 191 Gardenia Drive (Formerly 1055 Gardenia 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 191 Gardenia Drive (Formerly 1055 Gardenia 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 191 Gardenia Drive (Formerly 1055 Gardenia Drive) consisted of annual groundwater sampling at the four permanent monitoring wells. LTM sampling activities were conducted annually from 2016 until 2018 at the referenced site. The latest groundwater sampling details are provided in the *2018 Groundwater Monitoring Report* (Resolution Consultants, 2018).

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 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. Field forms from the most recent sampling event at 191 Gardenia Drive (Formerly 1055 Gardenia Drive) are provided in the *2018 Groundwater Monitoring Report* (Resolution Consultants, 2018).

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 2018 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 191 Gardenia Drive (Formerly 1055 Gardenia Drive) were less than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 4) during the 2016, 2017 and 2018 groundwater sampling events. This indicated that the groundwater was no longer impacted by COPCs associated with the former UST at concentrations that may present a potential risk to human health and the environment.

2.9 Soil Gas Sampling

On April 26, 2017, two temporary subsurface soil gas wells were attempted to be installed at 191 Gardenia Drive (Formerly 1055 Gardenia 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 subsurface soil gas well was attempted to be placed in the same general location as the former heating oil UST and MW01. A near-slab subsurface soil

gas well was attempted to be placed near the house slab. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). The two temporary subsurface soil gas wells were unable to be installed at 191 Gardenia Drive (Formerly 1055 Gardenia Drive) due to shallow groundwater. Further details are provided in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018).

On April 27, 2017, a single temporary sub-slab vapor pin was installed at 191 Gardenia Drive (Formerly 1055 Gardenia Drive) in accordance with the SCDHEC approved *Uniform Federal Policy Sampling and Analysis Plan (UFP SAP) for Vapor Media, Revision 4* (Resolution Consultants, 2017). The vapor pin was installed underneath 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 sub-slab vapor pin. The sub-slab vapor pin was sampled on April 27, 2017. A soil gas sample was collected and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of soil gas sampling, the temporary sub-slab vapor pin was 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 report is included in Appendix F.

The soil gas results collected from 191 Gardenia Drive (Formerly 1055 Gardenia Drive) were below the USEPA VISLs, which indicated that the sub-slab soil gas was 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 during the three most recent sampling events, SCDHEC made the determination that NFA was required for 191 Gardenia Drive (Formerly 1055 Gardenia Drive). The NFA determination for

groundwater was obtained in a letter dated September 24, 2018. Based on the analytical results for soil gas, 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 191 Gardenia Drive (Formerly 1055 Gardenia Drive) in a letter dated August 29, 2018. SCDHEC's letters are 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 – 1055 Gardenia Drive, Laurel Bay Military Housing Area*, August 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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Resolution Consultants, 2017. *Uniform Federal Policy Sampling and Analysis Plan for Vapor Media, Revision 4, for Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, May 2017.

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Resolution Consultants, 2018. *2018 Groundwater Monitoring Report for Laurel Bay Military Housing Area, Long-Term Monitoring (LTM), Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, August 2018.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2013. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division*, Revision 2.0*, April 2013.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2015. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division*, Revision 3.0*, May 2015.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2016. *Quality Assurance Program Plan for the Underground Storage Tank Management* Division*, Revision 3.1*, February 2016.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2017. *R.61-92, Part 280, Underground Storage Tank Control Regulations*, March 2017.

South Carolina Department of Health and Environmental Control Bureau of Land and Waste Management, 2018. *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, March 2018.

South Carolina Department of Health and Environmental Control Bureau of Water, 2016. *R.61-71, Well Standards*, June 2016.

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
191 Gardenia Drive (Formerly 1055 Gardenia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Sample Collected 06/02/09
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)		
Benzene	0.003	ND
Ethylbenzene	1.15	**0.268**
Naphthalene	0.036	**3.59**
Toluene	0.627	ND
Xylenes, Total	13.01	**0.0135**
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)		
Benzo(a)anthracene	0.066	**0.813**
Benzo(b)fluoranthene	0.066	ND
Benzo(k)fluoranthene	0.066	ND
Chrysene	0.066	**0.661**
Dibenz(a,h)anthracene	0.066	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
191 Gardenia Drive (Formerly 1055 Gardenia 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 07/25/13
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	ND
Ethylbenzene	700	45.95	**8.5**
Naphthalene	25	29.33	**89**
Toluene	1000	105,445	ND
Xylenes, Total	10,000	2,133	**1.0**
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 $1x10^{-6}$, 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
191 Gardenia Drive (Formerly 1055 Gardenia 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 12/16/15			
			MW01	MW02	MW03	MW04
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)						
Benzene	5	16.24	ND	ND	ND	ND
Ethylbenzene	700	45.95	**3.6**	ND	ND	ND
Naphthalene	25	29.33	**39**	ND	ND	ND
Toluene	1000	105,445	ND	ND	ND	ND
Xylenes, Total	10,000	2,133	**0.32**	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 $1x10^{6}$, 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
191 Gardenia Drive (Formerly 1055 Gardenia 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**										
BEALB1055MW01	12/16/2015	ND	**3.6**	**39**	ND	**0.32**	ND	ND	ND	ND	ND
	8/2/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/25/2018	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
BEALB1055MW02	12/16/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/2/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/25/2018	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
BEALB1055MW03	12/16/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/2/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/16/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/25/2018	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
BEALB1055MW04	12/16/2015	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/2/2016	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	6/15/2017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1/25/2018	NA	NA	ND	NA	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 $1x10^{-6}$, 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 2018 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
191 Gardenia Drive (Formerly 1055 Gardenia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	USEPA VISL [(1)]	Soil Gas Results Sample Collected 04/27/17
Volatile Organic Compounds Analyzed by USEPA Method TO-15 (µg/m^3)		
Benzene	12	**3.3**
Toluene	17000	**9.2**
Ethylbenzene	37	**1.8**
m,p-Xylenes	350	**4.6**
o-Xylene	350	**1.7**
Naphthalene	2.8	ND

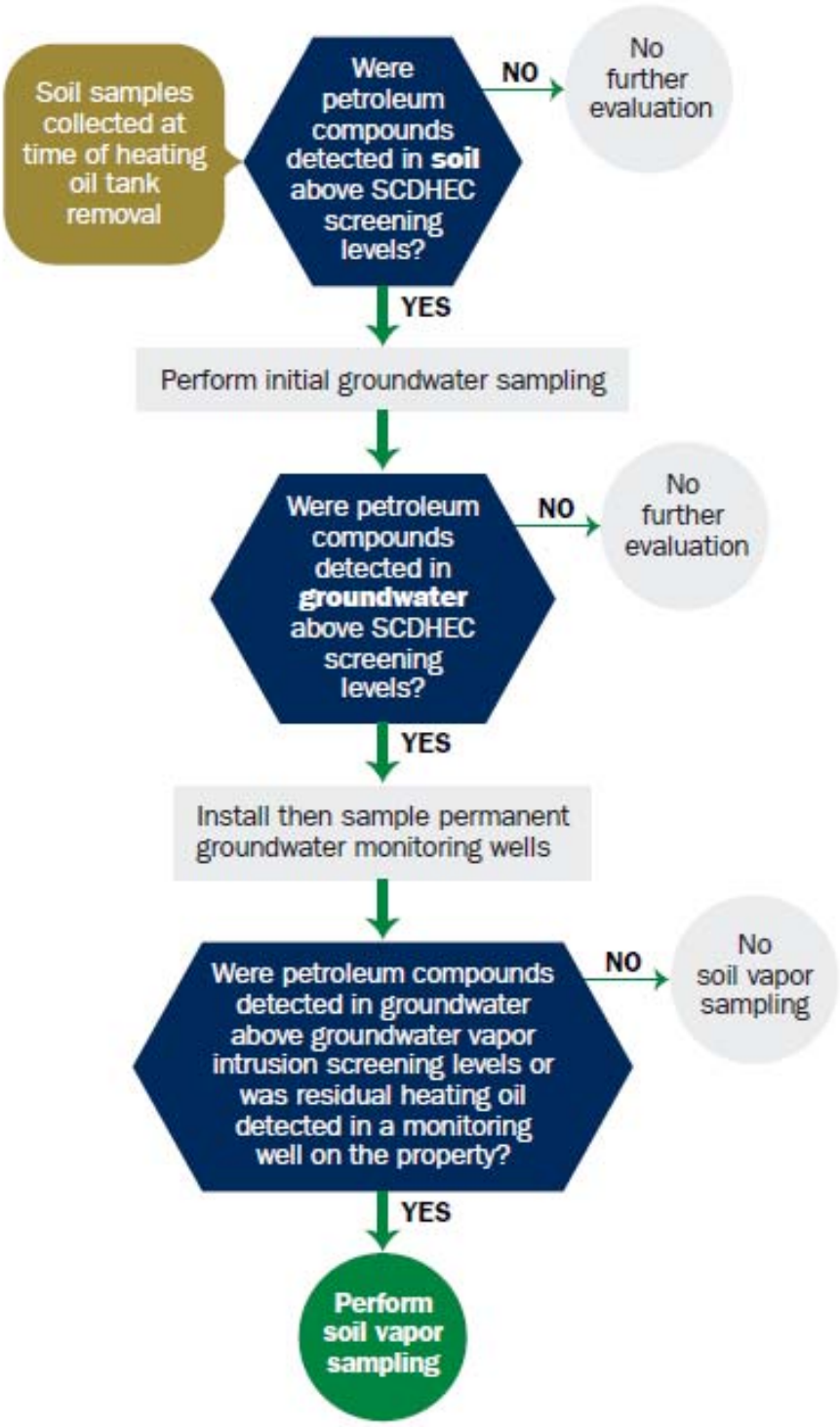
Notes:

[(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/m^3 - micrograms per cubic meter
VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

CDM - AECOM
Multimedia Joint Venture

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

04262

RECEIVED
AUG 17 2009
SITE ASSESSMENT, REMEDIATION & 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

1055 Gardenia St., 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).....	1055Gardenia				
B.	Capacity..(ex. 1k, 2k).....	Heating oil				
C.	Age.....	280 gal				
D.	Construction Material..(ex. Steel, FRP).....	Late 1950s				
E.	Month/Year of Last Use.....	Steel				
F.	Depth (ft.) To Base of Tank.....	Mid 1980s				
G.	Spill Prevention Equipment Y/N.....	4'10"				
H.	Overfill Prevention Equipment Y/N.....	No				
I.	Method of Closure Removed/Filled.....	No				
J.	Date Tanks Removed/Filled.....	Removed				
K.	Visible Corrosion or Pitting Y/N.....	6/2/09				
L.	Visible Holes Y/N.....	Yes				
		Yes				

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1055Gardenia was removed from the ground, and disposed of at a Subtitle "D" landfill. See Attachment "A."

N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
UST 1055Gardenia had been previously filled with sand by others.

O. If any corrosion, pitting, or holes were observed, describe the location and extent for each UST
Corrosion, pitting and holes were found throughout the tank.

VII. PIPING INFORMATION

A.	Construction Material..(ex. Steel, FRP).....	1055Gardenia				
B.	Distance from UST to Dispenser.....	Steel & Copper				
C.	Number of Dispensers.....	N/A				
D.	Type of System Pressure or Suction.....	N/A				
E.	Was Piping Removed from the Ground? Y/N	Suction				
F.	Visible Corrosion or Pitting Y/N.....	*Yes				
G.	Visible Holes Y/N.....	Unknown				
H.	Age.....	Unknown				
		Late 1950s				

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

*Copper supply & return lines were sound. Condition of the steel vent pipe is unknown because it was previously removed by others.

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.

IX. SITE CONDITIONS

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

X. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 96012001

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1055 Gardenia	Excav at fill end	Soil	Sandy	4'10"	6/2/09 1445 hrs	P. Shaw	
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = Depth Below the Surrounding Land Surface

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
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? If yes, indicate type of receptor, distance, and direction on site map.		X
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? If yes, indicate type of well, distance, and direction on site map.	X	
C.	Are there any underground structures (e.g., basements) Located within 100 feet of the UST system? If yes, indicate type of structure, distance, and direction on site map.		X
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 and water. If yes, indicate the type of utility, distance, and direction on the site map.	X*	
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? If yes, indicate the area of contaminated soil on the site map.		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)

1055 GARDENIA ST.

0 150 300 600 900 1,200 Feet

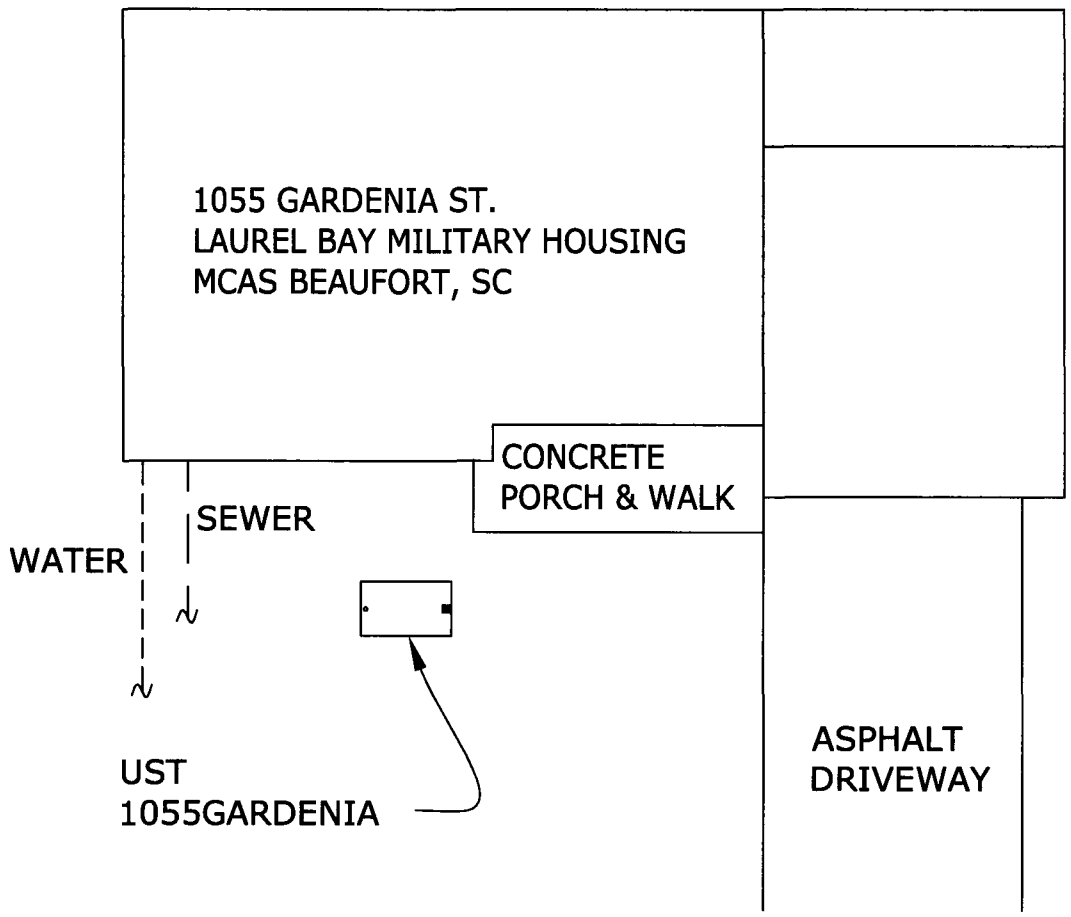
SBG-EEG, Inc.
Small Business Group, Inc.
10179 Hwy 78
Ladson, SC 29456

Ph. (843) 879-0400

Drawn By: L. DiAsio

Dwg Date: June 2009

FIGURE 1: LOCATION MAP
1055 GARDENIA ST., LAUREL BAY
MCAS BEAUFORT SC



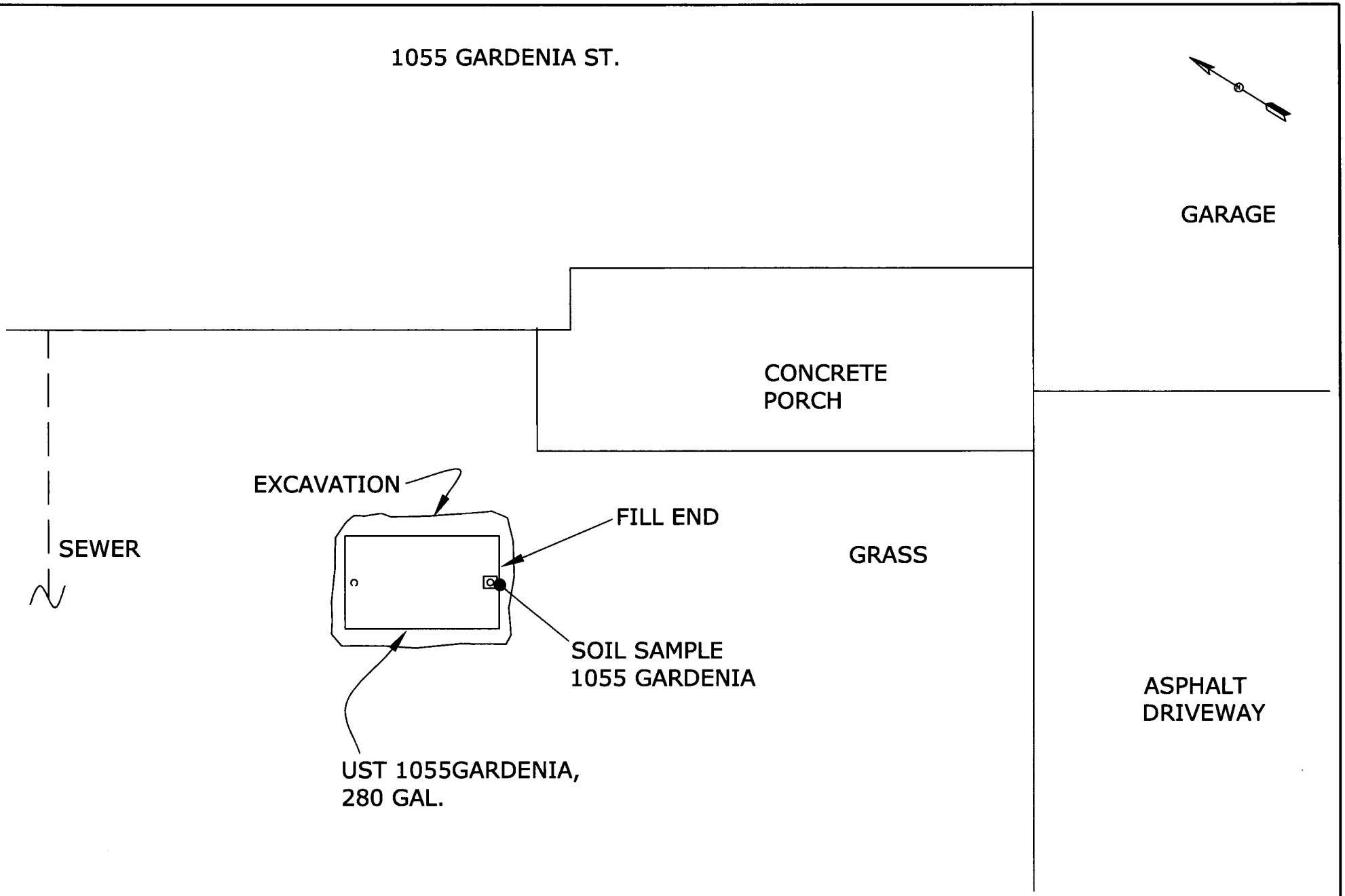
GRAPHIC SCALE

0 5' 10' 20'

SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 2 SITE MAP
1055 GARDENIA ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JUN 2009



GRAPHIC SCALE
0 5'

UST 1055GARDENIA WAS
AA" BELOW GRADE.

SBG-EEG
10179 HWY 78
LADSON, SC 29456
ph. (843) 879-0400

FIGURE 3 UST SAMPLE LOCATIONS
1055 GARDENIA ST., LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC | DWG DATE JUN 2009

Picture 1: Location of UST 1055Gardenia prior to excavation. Weed prevention cloth and pine straw have already been pulled back.

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 UST	1055Gardenia						
Benzene	ND						
Toluene	ND						
Ethylbenzene	0.268 mg/kg						
Xylenes	0.0135 mg/kg						
Naphthalene	3.59 mg/kg						
Benzo (a) anthracene	0.813 mg/kg						
Benzo (b) fluoranthene	ND						
Benzo (k) fluoranthene	ND						
Chrysene	0.661 mg/kg						
Dibenz (a, h) anthracene	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)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

June 19, 2009 6:33:24PM

Client: EEG - Small Business Group, Inc. (2449)
10179 Highway 78
Ladson, SC 29456
Attn: Tom McElwee

Work Order: NSF0579
Project Name: Laurel Bay Housing Project
Project Nbr: [none]
P/O Nbr: 0829
Date Received: 06/05/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1050 Gardenia	NSF0579-01	06/01/09 09:45
1052 Gardenia	NSF0579-02	06/01/09 12:10
1053 Gardenia	NSF0579-03	06/02/09 12:00
1055 Gardenia	NSF0579-04	06/02/09 14:45
1059 Gardenia-1	NSF0579-05	06/03/09 11:15
1059 Gardenia-2	NSF0579-06	06/03/09 14:00
1058 Gardenia-1	NSF0579-07	06/03/09 11:05
1058 Gardenia-2	NSF0579-08	06/03/09 14:15

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.

South Carolina Certification Number: 84009001

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

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-01 (1050 Gardenia - Soil) Sampled: 06/01/09 09:45								
General Chemistry Parameters								
% Dry Solids	**84.6**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00263	1	06/11/09 17:10	SW846 8260B	9061083
Ethylbenzene	ND		mg/kg dry	0.00263	1	06/11/09 17:10	SW846 8260B	9061083
Naphthalene	ND		mg/kg dry	0.00657	1	06/11/09 17:10	SW846 8260B	9061083
Toluene	ND		mg/kg dry	0.00263	1	06/11/09 17:10	SW846 8260B	9061083
Xylenes, total	ND		mg/kg dry	0.00657	1	06/11/09 17:10	SW846 8260B	9061083
Surr: 1,2-Dichloroethane-d4 (67-138%)	*94 %*					*06/11/09 17:10*	*SW846 8260B*	*9061083*
Surr: Dibromofluoromethane (75-125%)	*95 %*					*06/11/09 17:10*	*SW846 8260B*	*9061083*
Surr: Toluene-d8 (76-129%)	*105 %*					*06/11/09 17:10*	*SW846 8260B*	*9061083*
Surr: 4-Bromofluorobenzene (67-147%)	*105 %*					*06/11/09 17:10*	*SW846 8260B*	*9061083*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Anthracene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Benzo (a) anthracene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Benzo (a) pyrene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Benzo (b) fluoranthene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Benzo (k) fluoranthene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Chrysene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Fluoranthene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Fluorene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Naphthalene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Phenanthrene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Pyrene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
1-Methylnaphthalene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
2-Methylnaphthalene	ND		mg/kg dry	0.0778	1	06/16/09 17:35	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*85 %*					*06/16/09 17:35*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*71 %*					*06/16/09 17:35*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*71 %*					*06/16/09 17:35*	*SW846 8270D*	*9061227*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-02 (1052 Gardenia - Soil) Sampled: 06/01/09 12:10								
General Chemistry Parameters								
% Dry Solids	**79.5**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00208	1	06/12/09 18:02	SW846 8260B	9062578
Ethylbenzene	ND		mg/kg dry	0.00208	1	06/12/09 18:02	SW846 8260B	9062578
Naphthalene	**0.00895**		mg/kg dry	0.00520	1	06/12/09 18:02	SW846 8260B	9062578
Toluene	ND		mg/kg dry	0.00208	1	06/12/09 18:02	SW846 8260B	9062578
Xylenes, total	ND		mg/kg dry	0.00520	1	06/12/09 18:02	SW846 8260B	9062578
Surr: 1,2-Dichloroethane-d4 (67-138%)	*71 %*					*06/12/09 18:02*	*SW846 8260B*	*9062578*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*06/12/09 18:02*	*SW846 8260B*	*9062578*
Surr: Toluene-d8 (76-129%)	*81 %*					*06/12/09 18:02*	*SW846 8260B*	*9062578*
Surr: 4-Bromofluorobenzene (67-147%)	*131 %*					*06/12/09 18:02*	*SW846 8260B*	*9062578*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Anthracene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Benzo (a) anthracene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Benzo (a) pyrene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Benzo (b) fluoranthene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Benzo (k) fluoranthene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Chrysene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Fluoranthene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Fluorene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Naphthalene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Phenanthrene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Pyrene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
1-Methylnaphthalene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
2-Methylnaphthalene	ND		mg/kg dry	0.0836	1	06/16/09 17:57	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*74 %*					*06/16/09 17:57*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*48 %*					*06/16/09 17:57*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*45 %*					*06/16/09 17:57*	*SW846 8270D*	*9061227*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-03 (1053 Gardenia - Soil) Sampled: 06/02/09 12:00								
General Chemistry Parameters								
% Dry Solids	**80.4**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00214	1	06/11/09 18:12	SW846 8260B	9061083
Ethylbenzene	**0.525**		mg/kg dry	0.108	50	06/13/09 17:53	SW846 8260B	9062562
Naphthalene	**18.3**	B1	mg/kg dry	5.42	1000	06/13/09 18:24	SW846 8260B	9062562
Toluene	**0.00434**		mg/kg dry	0.00214	1	06/11/09 18:12	SW846 8260B	9061083
Xylenes, total	**2.47**		mg/kg dry	0.271	50	06/13/09 17:53	SW846 8260B	9062562
Surr: 1,2-Dichloroethane-d4 (67-138%)	*96 %*					*06/11/09 18:12*	*SW846 8260B*	*9061083*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*85 %*					*06/13/09 17:53*	*SW846 8260B*	*9062562*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*86 %*					*06/13/09 18:24*	*SW846 8260B*	*9062562*
Surr: Dibromofluoromethane (75-125%)	*100 %*					*06/11/09 18:12*	*SW846 8260B*	*9061083*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*06/13/09 17:53*	*SW846 8260B*	*9062562*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*06/13/09 18:24*	*SW846 8260B*	*9062562*
Surr: Toluene-d8 (76-129%)	*165 %*	*ZX*				*06/11/09 18:12*	*SW846 8260B*	*9061083*
Surr: Toluene-d8 (76-129%)	*104 %*					*06/13/09 17:53*	*SW846 8260B*	*9062562*
Surr: Toluene-d8 (76-129%)	*104 %*					*06/13/09 18:24*	*SW846 8260B*	*9062562*
Surr: 4-Bromofluorobenzene (67-147%)	*249 %*	*ZX*				*06/11/09 18:12*	*SW846 8260B*	*9061083*
Surr: 4-Bromofluorobenzene (67-147%)	*133 %*					*06/13/09 17:53*	*SW846 8260B*	*9062562*
Surr: 4-Bromofluorobenzene (67-147%)	*127 %*					*06/13/09 18:24*	*SW846 8260B*	*9062562*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**2.92**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Anthracene	**1.80**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Benzo (a) anthracene	**0.468**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Benzo (a) pyrene	ND		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Benzo (b) fluoranthene	ND		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Benzo (k) fluoranthene	ND		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Chrysene	**0.468**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Fluoranthene	**1.42**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Fluorene	**5.19**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Naphthalene	**13.0**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Phenanthrene	**9.54**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
Pyrene	**2.15**		mg/kg dry	0.413	5	06/17/09 09:43	SW846 8270D	9061227
1-Methylnaphthalene	**29.0**		mg/kg dry	4.13	50	06/17/09 11:52	SW846 8270D	9061227
2-Methylnaphthalene	**44.2**		mg/kg dry	4.13	50	06/17/09 11:52	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*113 %*					*06/17/09 09:43*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*104 %*					*06/17/09 09:43*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*92 %*					*06/17/09 09:43*	*SW846 8270D*	*9061227*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-04 (1055 Gardenia - Soil) Sampled: 06/02/09 14:45								
General Chemistry Parameters								
% Dry Solids	**66.7**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00264	1	06/11/09 18:43	SW846 8260B	9061083
Ethylbenzene	**0.268**		mg/kg dry	0.128	50	06/13/09 18:55	SW846 8260B	9062562
Naphthalene	**3.59**	B1	mg/kg dry	0.320	50	06/13/09 18:55	SW846 8260B	9062562
Toluene	ND		mg/kg dry	0.00264	1	06/11/09 18:43	SW846 8260B	9061083
Xylenes, total	**0.0135**	CF7	mg/kg dry	0.00660	1	06/11/09 18:43	SW846 8260B	9061083
Surr: 1,2-Dichloroethane-d4 (67-138%)	*90 %*					*06/11/09 18:43*	*SW846 8260B*	*9061083*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*82 %*					*06/13/09 18:55*	*SW846 8260B*	*9062562*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*06/11/09 18:43*	*SW846 8260B*	*9061083*
Surr: Dibromofluoromethane (75-125%)	*91 %*					*06/13/09 18:55*	*SW846 8260B*	*9062562*
Surr: Toluene-d8 (76-129%)	*166 %*	*ZX*				*06/11/09 18:43*	*SW846 8260B*	*9061083*
Surr: Toluene-d8 (76-129%)	*103 %*					*06/13/09 18:55*	*SW846 8260B*	*9062562*
Surr: 4-Bromofluorobenzene (67-147%)	*158 %*	*ZX*				*06/11/09 18:43*	*SW846 8260B*	*9061083*
Surr: 4-Bromofluorobenzene (67-147%)	*124 %*					*06/13/09 18:55*	*SW846 8260B*	*9062562*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**2.56**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Anthracene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Benzo (a) anthracene	**0.813**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Benzo (a) pyrene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Benzo (b) fluoranthene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Benzo (k) fluoranthene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Chrysene	**0.661**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Fluoranthene	**2.39**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Fluorene	**4.75**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Naphthalene	**8.45**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Phenanthrene	**8.81**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
Pyrene	**2.14**		mg/kg dry	0.501	5	06/17/09 10:04	SW846 8270D	9061227
1-Methylnaphthalene	**25.5**		mg/kg dry	5.01	50	06/17/09 12:14	SW846 8270D	9061227
2-Methylnaphthalene	**39.9**		mg/kg dry	5.01	50	06/17/09 12:14	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*104 %*					*06/17/09 10:04*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*99 %*					*06/17/09 10:04*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*94 %*					*06/17/09 10:04*	*SW846 8270D*	*9061227*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-05 (1059 Gardenia-1 - Soil) Sampled: 06/03/09 11:15								
General Chemistry Parameters								
% Dry Solids	**78.8**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.00631**		mg/kg dry	0.00221	1	06/11/09 19:14	SW846 8260B	9061083
Ethylbenzene	**1.64**		mg/kg dry	0.112	50	06/13/09 19:57	SW846 8260B	9062562
Naphthalene	**11.1**	B1	mg/kg dry	0.280	50	06/13/09 19:57	SW846 8260B	9062562
Toluene	**0.00277**		mg/kg dry	0.00221	1	06/11/09 19:14	SW846 8260B	9061083
Xylenes, total	**2.44**		mg/kg dry	0.280	50	06/13/09 19:57	SW846 8260B	9062562
Surr: 1,2-Dichloroethane-d4 (67-138%)	*86 %*					*06/11/09 19:14*	*SW846 8260B*	*9061083*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*83 %*					*06/13/09 19:57*	*SW846 8260B*	*9062562*
Surr: Dibromofluoromethane (75-125%)	*95 %*					*06/11/09 19:14*	*SW846 8260B*	*9061083*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*06/13/09 19:57*	*SW846 8260B*	*9062562*
Surr: Toluene-d8 (76-129%)	*581 %*	*ZX*				*06/11/09 19:14*	*SW846 8260B*	*9061083*
Surr: Toluene-d8 (76-129%)	*107 %*					*06/13/09 19:57*	*SW846 8260B*	*9062562*
Surr: 4-Bromofluorobenzene (67-147%)	*2710 %*	*ZX*				*06/11/09 19:14*	*SW846 8260B*	*9061083*
Surr: 4-Bromofluorobenzene (67-147%)	*133 %*					*06/13/09 19:57*	*SW846 8260B*	*9062562*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**4.42**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Anthracene	**3.43**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Benzo (a) anthracene	**4.35**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Benzo (a) pyrene	**1.63**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Benzo (b) fluoranthene	**1.97**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Benzo (k) fluoranthene	**1.73**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Chrysene	**3.69**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Fluoranthene	**13.6**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Fluorene	**9.09**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Naphthalene	**14.6**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
Phenanthrene	**19.2**		mg/kg dry	4.24	50	06/17/09 12:35	SW846 8270D	9061227
Pyrene	**12.3**		mg/kg dry	0.424	5	06/17/09 10:25	SW846 8270D	9061227
1-Methylnaphthalene	**35.9**		mg/kg dry	4.24	50	06/17/09 12:35	SW846 8270D	9061227
2-Methylnaphthalene	**60.9**		mg/kg dry	4.24	50	06/17/09 12:35	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*106 %*					*06/17/09 10:25*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*84 %*					*06/17/09 10:25*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*143 %*					*06/17/09 10:25*	*SW846 8270D*	*9061227*

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-06 (1059 Gardenia-2 - Soil) Sampled: 06/03/09 14:00								
General Chemistry Parameters								
% Dry Solids	**82.7**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND	RL1	mg/kg dry	0.109	50	06/15/09 19:46	SW846 8260B	9062585
Ethylbenzene	**4.98**		mg/kg dry	0.109	50	06/15/09 19:46	SW846 8260B	9062585
Naphthalene	**31.7**		mg/kg dry	5.47	1000	06/15/09 20:16	SW846 8260B	9062585
Toluene	**0.0134**		mg/kg dry	0.00203	1	06/11/09 19:45	SW846 8260B	9061083
Xylenes, total	**12.0**		mg/kg dry	0.273	50	06/15/09 19:46	SW846 8260B	9062585
Surr: 1,2-Dichloroethane-d4 (67-138%)	*47 %*	*ZX*				*06/11/09 19:45*	*SW846 8260B*	*9061083*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*86 %*					*06/15/09 19:46*	*SW846 8260B*	*9062585*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*83 %*					*06/15/09 20:16*	*SW846 8260B*	*9062585*
Surr: Dibromofluoromethane (75-125%)	*57 %*	*ZX*				*06/11/09 19:45*	*SW846 8260B*	*9061083*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*06/15/09 19:46*	*SW846 8260B*	*9062585*
Surr: Dibromofluoromethane (75-125%)	*85 %*					*06/15/09 20:16*	*SW846 8260B*	*9062585*
Surr: Toluene-d8 (76-129%)	*311 %*	*ZX*				*06/11/09 19:45*	*SW846 8260B*	*9061083*
Surr: Toluene-d8 (76-129%)	*108 %*					*06/15/09 19:46*	*SW846 8260B*	*9062585*
Surr: Toluene-d8 (76-129%)	*102 %*					*06/15/09 20:16*	*SW846 8260B*	*9062585*
Surr: 4-Bromofluorobenzene (67-147%)	*449 %*	*ZX*				*06/11/09 19:45*	*SW846 8260B*	*9061083*
Surr: 4-Bromofluorobenzene (67-147%)	*123 %*					*06/15/09 19:46*	*SW846 8260B*	*9062585*
Surr: 4-Bromofluorobenzene (67-147%)	*99 %*					*06/15/09 20:16*	*SW846 8260B*	*9062585*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	**4.83**		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Anthracene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Benzo (a) anthracene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Benzo (a) pyrene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Benzo (b) fluoranthene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Benzo (k) fluoranthene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Chrysene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Fluoranthene	**0.401**		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Fluorene	**9.73**		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Naphthalene	**19.8**		mg/kg dry	4.01	50	06/17/09 12:57	SW846 8270D	9061227
Phenanthrene	**17.6**		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
Pyrene	**1.51**		mg/kg dry	0.401	5	06/17/09 10:47	SW846 8270D	9061227
1-Methylnaphthalene	**55.3**		mg/kg dry	4.01	50	06/17/09 12:57	SW846 8270D	9061227
2-Methylnaphthalene	**86.5**		mg/kg dry	4.01	50	06/17/09 12:57	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*113 %*					*06/17/09 10:47*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*82 %*					*06/17/09 10:47*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*129 %*					*06/17/09 10:47*	*SW846 8270D*	*9061227*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-07 (1058 Gardenia-1 - Soil) Sampled: 06/03/09 11:05								
General Chemistry Parameters								
% Dry Solids	**84.1**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00188	1	06/12/09 18:33	SW846 8260B	9062578
Ethylbenzene	ND		mg/kg dry	0.00188	1	06/12/09 18:33	SW846 8260B	9062578
Naphthalene	**0.0193**		mg/kg dry	0.00470	1	06/12/09 18:33	SW846 8260B	9062578
Toluene	ND		mg/kg dry	0.00188	1	06/12/09 18:33	SW846 8260B	9062578
Xylenes, total	ND		mg/kg dry	0.00470	1	06/12/09 18:33	SW846 8260B	9062578
Surr: 1,2-Dichloroethane-d4 (67-138%)	*84 %*					*06/12/09 18:33*	*SW846 8260B*	*9062578*
Surr: Dibromofluoromethane (75-125%)	*90 %*					*06/12/09 18:33*	*SW846 8260B*	*9062578*
Surr: Toluene-d8 (76-129%)	*110 %*					*06/12/09 18:33*	*SW846 8260B*	*9062578*
Surr: 4-Bromofluorobenzene (67-147%)	*124 %*					*06/12/09 18:33*	*SW846 8260B*	*9062578*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Anthracene	**0.673**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Benzo (a) anthracene	**2.04**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Benzo (a) pyrene	**0.762**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Benzo (b) fluoranthene	**1.09**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Benzo (k) fluoranthene	**0.831**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Chrysene	**1.16**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Fluoranthene	**7.17**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Fluorene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Naphthalene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Phenanthrene	**3.42**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Pyrene	**4.66**		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
1-Methylnaphthalene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
2-Methylnaphthalene	ND		mg/kg dry	0.397	5	06/17/09 11:09	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*77 %*					*06/17/09 11:09*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*58 %*					*06/17/09 11:09*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*62 %*					*06/17/09 11:09*	*SW846 8270D*	*9061227*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSF0579-08 (1058 Gardenia-2 - Soil) Sampled: 06/03/09 14:15								
General Chemistry Parameters								
% Dry Solids	**85.7**		%	0.500	1	06/17/09 09:02	SW-846	9062596
Selected Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00222	1	06/13/09 16:51	SW846 8260B	9062562
Ethylbenzene	ND		mg/kg dry	0.00222	1	06/13/09 16:51	SW846 8260B	9062562
Naphthalene	ND		mg/kg dry	0.00555	1	06/13/09 16:51	SW846 8260B	9062562
Toluene	ND		mg/kg dry	0.00222	1	06/13/09 16:51	SW846 8260B	9062562
Xylenes, total	ND		mg/kg dry	0.00555	1	06/13/09 16:51	SW846 8260B	9062562
Surr: 1,2-Dichloroethane-d4 (67-138%)	*86 %*					*06/13/09 16:51*	*SW846 8260B*	*9062562*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*06/13/09 16:51*	*SW846 8260B*	*9062562*
Surr: Toluene-d8 (76-129%)	*105 %*					*06/13/09 16:51*	*SW846 8260B*	*9062562*
Surr: 4-Bromofluorobenzene (67-147%)	*101 %*					*06/13/09 16:51*	*SW846 8260B*	*9062562*
Polyaromatic Hydrocarbons by EPA 8270D								
Acenaphthene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Acenaphthylene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Anthracene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Benzo (a) anthracene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Benzo (a) pyrene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Benzo (b) fluoranthene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Benzo (k) fluoranthene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Chrysene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Fluoranthene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Fluorene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Naphthalene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Phenanthrene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Pyrene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
1-Methylnaphthalene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
2-Methylnaphthalene	ND		mg/kg dry	0.0771	1	06/16/09 20:07	SW846 8270D	9061227
Surr: Terphenyl-d14 (18-120%)	*90 %*					*06/16/09 20:07*	*SW846 8270D*	*9061227*
Surr: 2-Fluorobiphenyl (14-120%)	*65 %*					*06/16/09 20:07*	*SW846 8270D*	*9061227*
Surr: Nitrobenzene-d5 (17-120%)	*67 %*					*06/16/09 20:07*	*SW846 8270D*	*9061227*

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	9061227	NSF0579-01	30.54	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-02	30.24	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-03	30.29	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-03RE1	30.29	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-03RE2	30.29	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-04	30.05	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-04RE1	30.05	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-04RE2	30.05	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-05	30.05	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-05RE1	30.05	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-05RE2	30.05	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-06	30.33	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-06RE1	30.33	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-06RE2	30.33	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-07	30.11	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-07RE1	30.11	1.00	06/09/09 08:32	JNS	EPA 3550B
SW846 8270D	9061227	NSF0579-08	30.43	1.00	06/09/09 08:32	JNS	EPA 3550B
Selected Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9061083	NSF0579-01	4.50	5.00	06/01/09 09:45	CHH	EPA 5035
SW846 8260B	9061083	NSF0579-02	6.75	5.00	06/01/09 12:10	CHH	EPA 5035
SW846 8260B	9062578	NSF0579-02RE1	6.05	5.00	06/01/09 12:10	CHH	EPA 5035
SW846 8260B	9061083	NSF0579-03	5.81	5.00	06/02/09 12:00	CHH	EPA 5035
SW846 8260B	9062562	NSF0579-03RE1	5.74	5.00	06/02/09 12:00	CHH	EPA 5035
SW846 8260B	9062562	NSF0579-03RE2	5.74	5.00	06/02/09 12:00	CHH	EPA 5035
SW846 8260B	9061083	NSF0579-04	5.68	5.00	06/02/09 14:45	CHH	EPA 5035
SW846 8260B	9062562	NSF0579-04RE1	5.86	5.00	06/02/09 14:45	CHH	EPA 5035
SW846 8260B	9062562	NSF0579-04RE2	5.86	5.00	06/02/09 14:45	CHH	EPA 5035
SW846 8260B	9061083	NSF0579-05	5.73	5.00	06/03/09 11:15	CHH	EPA 5035
SW846 8260B	9062562	NSF0579-05RE1	5.66	5.00	06/03/09 11:15	CHH	EPA 5035
SW846 8260B	9062562	NSF0579-05RE2	5.66	5.00	06/03/09 11:15	CHH	EPA 5035
SW846 8260B	9061083	NSF0579-06	5.97	5.00	06/03/09 14:00	CHH	EPA 5035
SW846 8260B	9062585	NSF0579-06RE1	5.53	5.00	06/03/09 14:00	CHH	EPA 5035
SW846 8260B	9062585	NSF0579-06RE2	5.53	5.00	06/03/09 14:00	CHH	EPA 5035
SW846 8260B	9061083	NSF0579-07	6.34	5.00	06/03/09 11:05	CHH	EPA 5035
SW846 8260B	9062578	NSF0579-07RE1	6.33	5.00	06/03/09 11:05	CHH	EPA 5035
SW846 8260B	9061083	NSF0579-08	6.59	5.00	06/03/09 14:15	CHH	EPA 5035
SW846 8260B	9062562	NSF0579-08RE1	5.26	5.00	06/03/09 14:15	CHH	EPA 5035

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

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						
9061083-BLK1						
Benzene	<0.000670		mg/kg wet	9061083	9061083-BLK1	06/11/09 16:39
Ethylbenzene	<0.000670		mg/kg wet	9061083	9061083-BLK1	06/11/09 16:39
Naphthalene	<0.00170		mg/kg wet	9061083	9061083-BLK1	06/11/09 16:39
Toluene	<0.000400		mg/kg wet	9061083	9061083-BLK1	06/11/09 16:39
Xylenes, total	<0.00130		mg/kg wet	9061083	9061083-BLK1	06/11/09 16:39
Surrogate: 1,2-Dichloroethane-d4	95%			9061083	9061083-BLK1	06/11/09 16:39
Surrogate: Dibromofluoromethane	97%			9061083	9061083-BLK1	06/11/09 16:39
Surrogate: Toluene-d8	105%			9061083	9061083-BLK1	06/11/09 16:39
Surrogate: 4-Bromofluorobenzene	112%			9061083	9061083-BLK1	06/11/09 16:39
9062562-BLK1						
Benzene	<0.000670		mg/kg wet	9062562	9062562-BLK1	06/13/09 16:20
Ethylbenzene	<0.000670		mg/kg wet	9062562	9062562-BLK1	06/13/09 16:20
Naphthalene	0.00499	B	mg/kg wet	9062562	9062562-BLK1	06/13/09 16:20
Toluene	<0.000400		mg/kg wet	9062562	9062562-BLK1	06/13/09 16:20
Xylenes, total	<0.00130		mg/kg wet	9062562	9062562-BLK1	06/13/09 16:20
Surrogate: 1,2-Dichloroethane-d4	88%			9062562	9062562-BLK1	06/13/09 16:20
Surrogate: Dibromofluoromethane	95%			9062562	9062562-BLK1	06/13/09 16:20
Surrogate: Toluene-d8	103%			9062562	9062562-BLK1	06/13/09 16:20
Surrogate: 4-Bromofluorobenzene	131%			9062562	9062562-BLK1	06/13/09 16:20
9062578-BLK1						
Benzene	<0.000670		mg/kg wet	9062578	9062578-BLK1	06/12/09 17:31
Ethylbenzene	<0.000670		mg/kg wet	9062578	9062578-BLK1	06/12/09 17:31
Naphthalene	<0.00170		mg/kg wet	9062578	9062578-BLK1	06/12/09 17:31
Toluene	<0.000400		mg/kg wet	9062578	9062578-BLK1	06/12/09 17:31
Xylenes, total	<0.00130		mg/kg wet	9062578	9062578-BLK1	06/12/09 17:31
Surrogate: 1,2-Dichloroethane-d4	86%			9062578	9062578-BLK1	06/12/09 17:31
Surrogate: Dibromofluoromethane	94%			9062578	9062578-BLK1	06/12/09 17:31
Surrogate: Toluene-d8	105%			9062578	9062578-BLK1	06/12/09 17:31
Surrogate: 4-Bromofluorobenzene	100%			9062578	9062578-BLK1	06/12/09 17:31
9062585-BLK1						
Benzene	<0.000670		mg/kg wet	9062585	9062585-BLK1	06/15/09 17:41
Ethylbenzene	<0.000670		mg/kg wet	9062585	9062585-BLK1	06/15/09 17:41
Naphthalene	<0.00170		mg/kg wet	9062585	9062585-BLK1	06/15/09 17:41
Toluene	<0.000400		mg/kg wet	9062585	9062585-BLK1	06/15/09 17:41
Xylenes, total	<0.00130		mg/kg wet	9062585	9062585-BLK1	06/15/09 17:41
Surrogate: 1,2-Dichloroethane-d4	85%			9062585	9062585-BLK1	06/15/09 17:41
Surrogate: Dibromofluoromethane	90%			9062585	9062585-BLK1	06/15/09 17:41
Surrogate: Toluene-d8	99%			9062585	9062585-BLK1	06/15/09 17:41
Surrogate: 4-Bromofluorobenzene	112%			9062585	9062585-BLK1	06/15/09 17:41

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B						
Polyaromatic Hydrocarbons by EPA 8270D						
9061227-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Acenaphthylene	<0.0310		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Anthracene	<0.0330		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Benzo (a) anthracene	<0.0380		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Benzo (a) pyrene	<0.0300		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Chrysene	<0.0400		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Fluoranthene	<0.0340		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Fluorene	<0.0360		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Naphthalene	<0.0410		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Phenanthrene	<0.0340		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Pyrene	<0.0410		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
1-Methylnaphthalene	<0.0320		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
2-Methylnaphthalene	<0.0330		mg/kg wet	9061227	9061227-BLK1	06/16/09 16:08
Surrogate: Terphenyl-d14	110%			9061227	9061227-BLK1	06/16/09 16:08
Surrogate: 2-Fluorobiphenyl	91%			9061227	9061227-BLK1	06/16/09 16:08
Surrogate: Nitrobenzene-d5	84%			9061227	9061227-BLK1	06/16/09 16:08

TestAmerica
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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9062596-DUP1										
% Dry Solids	96.6	96.3		%	0.3	20	9062596	NSF0559-01		06/17/09 09:02

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

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								
9061083-BS1								
Benzene	50.0	44.8		ug/kg	90%	78 - 126	9061083	06/11/09 14:35
Ethylbenzene	50.0	51.8		ug/kg	104%	79 - 130	9061083	06/11/09 14:35
Naphthalene	50.0	48.1		ug/kg	96%	72 - 150	9061083	06/11/09 14:35
Toluene	50.0	51.0		ug/kg	102%	76 - 126	9061083	06/11/09 14:35
Xylenes, total	150	160		ug/kg	106%	80 - 130	9061083	06/11/09 14:35
Surrogate: 1,2-Dichloroethane-d4	50.0	48.4			97%	67 - 138	9061083	06/11/09 14:35
Surrogate: Dibromofluoromethane	50.0	48.2			96%	75 - 125	9061083	06/11/09 14:35
Surrogate: Toluene-d8	50.0	52.8			106%	76 - 129	9061083	06/11/09 14:35
Surrogate: 4-Bromofluorobenzene	50.0	46.9			94%	67 - 147	9061083	06/11/09 14:35
9062562-BS1								
Benzene	50.0	45.3		ug/kg	91%	78 - 126	9062562	06/13/09 14:10
Ethylbenzene	50.0	51.4		ug/kg	103%	79 - 130	9062562	06/13/09 14:10
Naphthalene	50.0	57.7		ug/kg	115%	72 - 150	9062562	06/13/09 14:10
Toluene	50.0	50.1		ug/kg	100%	76 - 126	9062562	06/13/09 14:10
Xylenes, total	150	155		ug/kg	103%	80 - 130	9062562	06/13/09 14:10
Surrogate: 1,2-Dichloroethane-d4	50.0	43.8			88%	67 - 138	9062562	06/13/09 14:10
Surrogate: Dibromofluoromethane	50.0	47.9			96%	75 - 125	9062562	06/13/09 14:10
Surrogate: Toluene-d8	50.0	51.6			103%	76 - 129	9062562	06/13/09 14:10
Surrogate: 4-Bromofluorobenzene	50.0	48.5			97%	67 - 147	9062562	06/13/09 14:10
9062578-BS1								
Benzene	50.0	49.0		ug/kg	98%	78 - 126	9062578	06/12/09 15:28
Ethylbenzene	50.0	55.5		ug/kg	111%	79 - 130	9062578	06/12/09 15:28
Naphthalene	50.0	61.5		ug/kg	123%	72 - 150	9062578	06/12/09 15:28
Toluene	50.0	55.0		ug/kg	110%	76 - 126	9062578	06/12/09 15:28
Xylenes, total	150	167		ug/kg	111%	80 - 130	9062578	06/12/09 15:28
Surrogate: 1,2-Dichloroethane-d4	50.0	43.8			88%	67 - 138	9062578	06/12/09 15:28
Surrogate: Dibromofluoromethane	50.0	47.8			96%	75 - 125	9062578	06/12/09 15:28
Surrogate: Toluene-d8	50.0	53.0			106%	76 - 129	9062578	06/12/09 15:28
Surrogate: 4-Bromofluorobenzene	50.0	61.0			122%	67 - 147	9062578	06/12/09 15:28
9062585-BS1								
Benzene	50.0	52.1		ug/kg	104%	78 - 126	9062585	06/15/09 15:36
Ethylbenzene	50.0	53.0		ug/kg	106%	79 - 130	9062585	06/15/09 15:36
Naphthalene	50.0	58.7		ug/kg	117%	72 - 150	9062585	06/15/09 15:36
Toluene	50.0	53.2		ug/kg	106%	76 - 126	9062585	06/15/09 15:36
Xylenes, total	150	158		ug/kg	105%	80 - 130	9062585	06/15/09 15:36
Surrogate: 1,2-Dichloroethane-d4	50.0	44.8			90%	67 - 138	9062585	06/15/09 15:36
Surrogate: Dibromofluoromethane	50.0	48.9			98%	75 - 125	9062585	06/15/09 15:36
Surrogate: Toluene-d8	50.0	50.0			100%	76 - 129	9062585	06/15/09 15:36
Surrogate: 4-Bromofluorobenzene	50.0	50.3			101%	67 - 147	9062585	06/15/09 15:36

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Selected Volatile Organic Compounds by EPA Method 8260B								
Polyaromatic Hydrocarbons by EPA 8270D								
9061227-BS1								
Acenaphthene	1.67	1.48		mg/kg wet	89%	49 - 120	9061227	06/16/09 16:30
Acenaphthylene	1.67	1.52		mg/kg wet	91%	52 - 120	9061227	06/16/09 16:30
Anthracene	1.67	1.68		mg/kg wet	101%	58 - 120	9061227	06/16/09 16:30
Benzo (a) anthracene	1.67	1.55		mg/kg wet	93%	57 - 120	9061227	06/16/09 16:30
Benzo (a) pyrene	1.67	1.62		mg/kg wet	97%	55 - 120	9061227	06/16/09 16:30
Benzo (b) fluoranthene	1.67	1.54		mg/kg wet	93%	51 - 123	9061227	06/16/09 16:30
Benzo (g,h,i) perylene	1.67	1.61		mg/kg wet	96%	49 - 121	9061227	06/16/09 16:30
Benzo (k) fluoranthene	1.67	1.64		mg/kg wet	98%	42 - 129	9061227	06/16/09 16:30
Chrysene	1.67	1.58		mg/kg wet	95%	55 - 120	9061227	06/16/09 16:30
Dibenz (a,h) anthracene	1.67	1.62		mg/kg wet	97%	50 - 123	9061227	06/16/09 16:30
Fluoranthene	1.67	1.52		mg/kg wet	91%	58 - 120	9061227	06/16/09 16:30
Fluorene	1.67	1.50		mg/kg wet	90%	54 - 120	9061227	06/16/09 16:30
Indeno (1,2,3-cd) pyrene	1.67	1.66		mg/kg wet	100%	50 - 122	9061227	06/16/09 16:30
Naphthalene	1.67	1.27		mg/kg wet	76%	28 - 107	9061227	06/16/09 16:30
Phenanthrene	1.67	1.51		mg/kg wet	91%	56 - 120	9061227	06/16/09 16:30
Pyrene	1.67	1.65		mg/kg wet	99%	56 - 120	9061227	06/16/09 16:30
1-Methylnaphthalene	1.67	1.19		mg/kg wet	71%	36 - 120	9061227	06/16/09 16:30
2-Methylnaphthalene	1.67	1.35		mg/kg wet	81%	36 - 120	9061227	06/16/09 16:30
Surrogate: Terphenyl-d14	1.67	1.67			100%	18 - 120	9061227	06/16/09 16:30
Surrogate: 2-Fluorobiphenyl	1.67	1.46			88%	14 - 120	9061227	06/16/09 16:30
Surrogate: Nitrobenzene-d5	1.67	1.25			75%	17 - 120	9061227	06/16/09 16:30

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

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												
9061083-BSD1												
Benzene		45.9		ug/kg	50.0	92%	78 - 126	2	50	9061083		06/11/09 15:06
Ethylbenzene		53.8		ug/kg	50.0	108%	79 - 130	4	50	9061083		06/11/09 15:06
Naphthalene		50.7		ug/kg	50.0	101%	72 - 150	5	50	9061083		06/11/09 15:06
Toluene		52.8		ug/kg	50.0	106%	76 - 126	3	50	9061083		06/11/09 15:06
Xylenes, total		169		ug/kg	150	113%	80 - 130	6	50	9061083		06/11/09 15:06
Surrogate: 1,2-Dichloroethane-d4		47.4		ug/kg	50.0	95%	67 - 138			9061083		06/11/09 15:06
Surrogate: Dibromofluoromethane		48.3		ug/kg	50.0	97%	75 - 125			9061083		06/11/09 15:06
Surrogate: Toluene-d8		54.2		ug/kg	50.0	108%	76 - 129			9061083		06/11/09 15:06
Surrogate: 4-Bromofluorobenzene		46.1		ug/kg	50.0	92%	67 - 147			9061083		06/11/09 15:06
9062562-BSD1												
Benzene		49.6		ug/kg	50.0	99%	78 - 126	9	50	9062562		06/13/09 14:41
Ethylbenzene		55.6		ug/kg	50.0	111%	79 - 130	8	50	9062562		06/13/09 14:41
Naphthalene		61.9		ug/kg	50.0	124%	72 - 150	7	50	9062562		06/13/09 14:41
Toluene		53.6		ug/kg	50.0	107%	76 - 126	7	50	9062562		06/13/09 14:41
Xylenes, total		170		ug/kg	150	113%	80 - 130	9	50	9062562		06/13/09 14:41
Surrogate: 1,2-Dichloroethane-d4		44.5		ug/kg	50.0	89%	67 - 138			9062562		06/13/09 14:41
Surrogate: Dibromofluoromethane		48.1		ug/kg	50.0	96%	75 - 125			9062562		06/13/09 14:41
Surrogate: Toluene-d8		52.0		ug/kg	50.0	104%	76 - 129			9062562		06/13/09 14:41
Surrogate: 4-Bromofluorobenzene		60.7		ug/kg	50.0	121%	67 - 147			9062562		06/13/09 14:41
9062578-BSD1												
Benzene		48.4		ug/kg	50.0	97%	78 - 126	1	50	9062578		06/12/09 15:59
Ethylbenzene		54.8		ug/kg	50.0	110%	79 - 130	1	50	9062578		06/12/09 15:59
Naphthalene		61.1		ug/kg	50.0	122%	72 - 150	0.7	50	9062578		06/12/09 15:59
Toluene		54.2		ug/kg	50.0	108%	76 - 126	1	50	9062578		06/12/09 15:59
Xylenes, total		167		ug/kg	150	111%	80 - 130	0.2	50	9062578		06/12/09 15:59
Surrogate: 1,2-Dichloroethane-d4		42.5		ug/kg	50.0	85%	67 - 138			9062578		06/12/09 15:59
Surrogate: Dibromofluoromethane		46.8		ug/kg	50.0	94%	75 - 125			9062578		06/12/09 15:59
Surrogate: Toluene-d8		52.9		ug/kg	50.0	106%	76 - 129			9062578		06/12/09 15:59
Surrogate: 4-Bromofluorobenzene		49.1		ug/kg	50.0	98%	67 - 147			9062578		06/12/09 15:59
9062585-BSD1												
Benzene		43.9		ug/kg	50.0	88%	78 - 126	17	50	9062585		06/15/09 16:05
Ethylbenzene		45.8		ug/kg	50.0	92%	79 - 130	14	50	9062585		06/15/09 16:05
Naphthalene		53.0		ug/kg	50.0	106%	72 - 150	10	50	9062585		06/15/09 16:05
Toluene		46.4		ug/kg	50.0	93%	76 - 126	14	50	9062585		06/15/09 16:05
Xylenes, total		133		ug/kg	150	88%	80 - 130	18	50	9062585		06/15/09 16:05
Surrogate: 1,2-Dichloroethane-d4		43.5		ug/kg	50.0	87%	67 - 138			9062585		06/15/09 16:05
Surrogate: Dibromofluoromethane		46.2		ug/kg	50.0	92%	75 - 125			9062585		06/15/09 16:05
Surrogate: Toluene-d8		49.7		ug/kg	50.0	99%	76 - 129			9062585		06/15/09 16:05

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

PROJECT QUALITY CONTROL DATA

LCS 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												
9062585-BSD1												
Surrogate: 4-Bromofluorobenzene		51.3		ug/kg	50.0	103%	67 - 147			9062585		06/15/09 16:05

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

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										
9061083-MS1										
Benzene	0.386	3.72		mg/kg wet	3.43	97%	42 - 141	9061083	NSF0613-04RE1	06/11/09 23:52
Ethylbenzene	0.327	4.55		mg/kg wet	3.43	123%	21 - 165	9061083	NSF0613-04RE1	06/11/09 23:52
Naphthalene	0.637	4.74		mg/kg wet	3.43	120%	10 - 160	9061083	NSF0613-04RE1	06/11/09 23:52
Toluene	1.06	5.00		mg/kg wet	3.43	115%	45 - 145	9061083	NSF0613-04RE1	06/11/09 23:52
Xylenes, total	1.57	14.5		mg/kg wet	10.3	126%	31 - 159	9061083	NSF0613-04RE1	06/11/09 23:52
Surrogate: 1,2-Dichloroethane-d4		41.4		ug/kg	50.0	83%	67 - 138	9061083	NSF0613-04RE1	06/11/09 23:52
Surrogate: Dibromofluoromethane		45.2		ug/kg	50.0	90%	75 - 125	9061083	NSF0613-04RE1	06/11/09 23:52
Surrogate: Toluene-d8		53.1		ug/kg	50.0	106%	76 - 129	9061083	NSF0613-04RE1	06/11/09 23:52
Surrogate: 4-Bromofluorobenzene		62.2		ug/kg	50.0	124%	67 - 147	9061083	NSF0613-04RE1	06/11/09 23:52
9062585-MS1										
Benzene	ND	2.46		mg/kg wet	2.50	98%	42 - 141	9062585	NSF0678-01RE1	06/16/09 01:12
Ethylbenzene	ND	2.46		mg/kg wet	2.50	98%	21 - 165	9062585	NSF0678-01RE1	06/16/09 01:12
Naphthalene	ND	2.28		mg/kg wet	2.50	91%	10 - 160	9062585	NSF0678-01RE1	06/16/09 01:12
Toluene	ND	2.42		mg/kg wet	2.50	97%	45 - 145	9062585	NSF0678-01RE1	06/16/09 01:12
Xylenes, total	ND	7.80		mg/kg wet	7.50	104%	31 - 159	9062585	NSF0678-01RE1	06/16/09 01:12
Surrogate: 1,2-Dichloroethane-d4		43.0		ug/kg	50.0	86%	67 - 138	9062585	NSF0678-01RE1	06/16/09 01:12
Surrogate: Dibromofluoromethane		47.6		ug/kg	50.0	95%	75 - 125	9062585	NSF0678-01RE1	06/16/09 01:12
Surrogate: Toluene-d8		49.6		ug/kg	50.0	99%	76 - 129	9062585	NSF0678-01RE1	06/16/09 01:12
Surrogate: 4-Bromofluorobenzene		50.0		ug/kg	50.0	100%	67 - 147	9062585	NSF0678-01RE1	06/16/09 01:12
Polyaromatic Hydrocarbons by EPA 8270D										
9061227-MS1										
Acenaphthene	ND	1.11		mg/kg wet	1.64	68%	42 - 120	9061227	NSF0661-05	06/16/09 16:52
Acenaphthylene	ND	1.14		mg/kg wet	1.64	70%	32 - 120	9061227	NSF0661-05	06/16/09 16:52
Anthracene	ND	1.25		mg/kg wet	1.64	76%	10 - 200	9061227	NSF0661-05	06/16/09 16:52
Benzo (a) anthracene	0.0538	1.28		mg/kg wet	1.64	75%	41 - 120	9061227	NSF0661-05	06/16/09 16:52
Benzo (a) pyrene	0.0339	1.22		mg/kg wet	1.64	73%	33 - 121	9061227	NSF0661-05	06/16/09 16:52
Benzo (b) fluoranthene	0.0843	1.35		mg/kg wet	1.64	78%	26 - 137	9061227	NSF0661-05	06/16/09 16:52

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

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
Polyaromatic Hydrocarbons by EPA 8270D										
9061227-MS1										
Benzo (g,h,i) perylene	0.0535	1.22		mg/kg wet	1.64	71%	21 - 124	9061227	NSF0661-05	06/16/09 16:52
Benzo (k) fluoranthene	0.0538	1.21		mg/kg wet	1.64	70%	14 - 140	9061227	NSF0661-05	06/16/09 16:52
Chrysene	0.0707	1.31		mg/kg wet	1.64	76%	28 - 123	9061227	NSF0661-05	06/16/09 16:52
Dibenz (a,h) anthracene	ND	1.21		mg/kg wet	1.64	74%	25 - 127	9061227	NSF0661-05	06/16/09 16:52
Fluoranthene	0.127	1.29		mg/kg wet	1.64	71%	38 - 120	9061227	NSF0661-05	06/16/09 16:52
Fluorene	ND	1.18		mg/kg wet	1.64	72%	41 - 120	9061227	NSF0661-05	06/16/09 16:52
Indeno (1,2,3-cd) pyrene	0.0458	1.25		mg/kg wet	1.64	74%	25 - 123	9061227	NSF0661-05	06/16/09 16:52
Naphthalene	ND	0.948		mg/kg wet	1.64	58%	25 - 120	9061227	NSF0661-05	06/16/09 16:52
Phenanthrene	ND	1.20		mg/kg wet	1.64	73%	37 - 120	9061227	NSF0661-05	06/16/09 16:52
Pyrene	0.0870	1.26		mg/kg wet	1.64	72%	29 - 125	9061227	NSF0661-05	06/16/09 16:52
1-Methylnaphthalene	ND	0.916		mg/kg wet	1.64	56%	19 - 120	9061227	NSF0661-05	06/16/09 16:52
2-Methylnaphthalene	ND	1.00		mg/kg wet	1.64	61%	11 - 120	9061227	NSF0661-05	06/16/09 16:52
Surrogate: Terphenyl-d14		1.30		mg/kg wet	1.64	79%	18 - 120	9061227	NSF0661-05	06/16/09 16:52
Surrogate: 2-Fluorobiphenyl		1.13		mg/kg wet	1.64	69%	14 - 120	9061227	NSF0661-05	06/16/09 16:52
Surrogate: Nitrobenzene-d5		0.986		mg/kg wet	1.64	60%	17 - 120	9061227	NSF0661-05	06/16/09 16:52

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

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												
9061083-MSD1												
Benzene	0.386	3.58		mg/kg wet	3.43	93%	42 - 141	4	50	9061083	NSF0613-04RE1	06/12/09 00:23
Ethylbenzene	0.327	4.35		mg/kg wet	3.43	117%	21 - 165	4	50	9061083	NSF0613-04RE1	06/12/09 00:23
Naphthalene	0.637	4.45		mg/kg wet	3.43	111%	10 - 160	6	50	9061083	NSF0613-04RE1	06/12/09 00:23
Toluene	1.06	4.82		mg/kg wet	3.43	110%	45 - 145	4	50	9061083	NSF0613-04RE1	06/12/09 00:23
Xylenes, total	1.57	13.8		mg/kg wet	10.3	118%	31 - 159	5	50	9061083	NSF0613-04RE1	06/12/09 00:23
Surrogate: 1,2-Dichloroethane-d4		40.6		ug/kg	50.0	81%	67 - 138			9061083	NSF0613-04RE1	06/12/09 00:23
Surrogate: Dibromofluoromethane		45.6		ug/kg	50.0	91%	75 - 125			9061083	NSF0613-04RE1	06/12/09 00:23
Surrogate: Toluene-d8		52.9		ug/kg	50.0	106%	76 - 129			9061083	NSF0613-04RE1	06/12/09 00:23
Surrogate: 4-Bromofluorobenzene		61.2		ug/kg	50.0	122%	67 - 147			9061083	NSF0613-04RE1	06/12/09 00:23
9062585-MSD1												
Benzene	ND	1.48		mg/kg wet	2.50	59%	42 - 141	50	50	9062585	NSF0678-01RE1	06/16/09 01:42
Ethylbenzene	ND	0.608	R	mg/kg wet	2.50	24%	21 - 165	121	50	9062585	NSF0678-01RE1	06/16/09 01:42
Naphthalene	ND	0.998	R	mg/kg wet	2.50	40%	10 - 160	78	50	9062585	NSF0678-01RE1	06/16/09 01:42
Toluene	ND	1.04	M8, R2	mg/kg wet	2.50	42%	45 - 145	80	50	9062585	NSF0678-01RE1	06/16/09 01:42
Xylenes, total	ND	1.74	M8, R2	mg/kg wet	7.50	23%	31 - 159	127	50	9062585	NSF0678-01RE1	06/16/09 01:42
Surrogate: 1,2-Dichloroethane-d4		39.7		ug/kg	50.0	79%	67 - 138			9062585	NSF0678-01RE1	06/16/09 01:42
Surrogate: Dibromofluoromethane		44.6		ug/kg	50.0	89%	75 - 125			9062585	NSF0678-01RE1	06/16/09 01:42
Surrogate: Toluene-d8		49.8		ug/kg	50.0	100%	76 - 129			9062585	NSF0678-01RE1	06/16/09 01:42
Surrogate: 4-Bromofluorobenzene		50.7		ug/kg	50.0	101%	67 - 147			9062585	NSF0678-01RE1	06/16/09 01:42
Polyaromatic Hydrocarbons by EPA 8270D												
9061227-MSD1												
Acenaphthene	ND	1.49		mg/kg wet	1.64	91%	42 - 120	29	40	9061227	NSF0661-05	06/16/09 17:13
Acenaphthylene	ND	1.50		mg/kg wet	1.64	91%	32 - 120	27	30	9061227	NSF0661-05	06/16/09 17:13
Anthracene	ND	1.65		mg/kg wet	1.64	100%	10 - 200	28	50	9061227	NSF0661-05	06/16/09 17:13
Benzo (a) anthracene	0.0538	1.69		mg/kg wet	1.64	100%	41 - 120	28	30	9061227	NSF0661-05	06/16/09 17:13
Benzo (a) pyrene	0.0339	1.67		mg/kg wet	1.64	100%	33 - 121	31	33	9061227	NSF0661-05	06/16/09 17:13
Benzo (b) fluoranthene	0.0843	1.82		mg/kg wet	1.64	105%	26 - 137	29	42	9061227	NSF0661-05	06/16/09 17:13
Benzo (g,h,i) perylene	0.0535	1.58		mg/kg wet	1.64	93%	21 - 124	26	32	9061227	NSF0661-05	06/16/09 17:13
Benzo (k) fluoranthene	0.0538	1.98	M1	mg/kg wet	1.64	117%	14 - 140	49	39	9061227	NSF0661-05	06/16/09 17:13

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

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
Polyaromatic Hydrocarbons by EPA 8270D												
9061227-MSD1												
Chrysene	0.0707	1.77		mg/kg wet	1.64	104%	28 - 123	30	34	9061227	NSF0661-05	06/16/09 17:13
Dibenz (a,h) anthracene	ND	1.59		mg/kg wet	1.64	97%	25 - 127	27	31	9061227	NSF0661-05	06/16/09 17:13
Fluoranthene	0.127	1.81		mg/kg wet	1.64	102%	38 - 120	34	35	9061227	NSF0661-05	06/16/09 17:13
Fluorene	ND	1.53		mg/kg wet	1.64	93%	41 - 120	25	37	9061227	NSF0661-05	06/16/09 17:13
Indeno (1,2,3-cd) pyrene	0.0458	1.64		mg/kg wet	1.64	97%	25 - 123	27	32	9061227	NSF0661-05	06/16/09 17:13
Naphthalene	ND	1.18		mg/kg wet	1.64	72%	25 - 120	22	42	9061227	NSF0661-05	06/16/09 17:13
Phenanthrene	ND	1.61		mg/kg wet	1.64	98%	37 - 120	29	32	9061227	NSF0661-05	06/16/09 17:13
Pyrene	0.0870	1.66		mg/kg wet	1.64	95%	29 - 125	27	40	9061227	NSF0661-05	06/16/09 17:13
1-Methylnaphthalene	ND	1.14		mg/kg wet	1.64	69%	19 - 120	22	45	9061227	NSF0661-05	06/16/09 17:13
2-Methylnaphthalene	ND	1.25		mg/kg wet	1.64	76%	11 - 120	22	50	9061227	NSF0661-05	06/16/09 17:13
Surrogate: Terphenyl-d14		1.41		mg/kg wet	1.64	86%	18 - 120			9061227	NSF0661-05	06/16/09 17:13
Surrogate: 2-Fluorobiphenyl		1.32		mg/kg wet	1.64	81%	14 - 120			9061227	NSF0661-05	06/16/09 17:13
Surrogate: Nitrobenzene-d5		1.08		mg/kg wet	1.64	66%	17 - 120			9061227	NSF0661-05	06/16/09 17:13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NSF0579
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	[none]
Attn	Tom McElwee	Received:	06/05/09 08:00

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
CF7	Result may be elevated due to carry over from previously analyzed sample.
M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
R2	The RPD exceeded the acceptance limit.
RL1	Reporting limit raised due to sample matrix effects.
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

NSF0579
06/19/09 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?

Compliance Monitoring? Yes ____ No ____

Enforcement Action? Yes ____ No ____

Client Name/Account #: EEG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Site State: SC

Project Manager: Tom McElwee email: mcelwee@eeginc.net

PO#: 0829

Telephone Number: 843.412.2097 Fax No.: 843-879-0401

TA Quote #:

Sampler Name: (Print) Brad Shaw

Project ID: Laurel Bay Housing Project

Sampler Signature:

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	~~NO3(Blue Label)~~ NaSO3	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify) Methanol	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: BTEX + Napth - 8260B	PAH - 8270C	RUSH TAT (Pre-Schedule)
1 1050 GARDENIA	6/1/09	0945	5	X					2				2	1					X		3	2	
2 1052 GARDENIA	6/1/09	1210	5	X					2				2	1					X		3	2	
3 1053 GARDENIA	6/2/09	1200	5	X					2				2	1					X		3	2	
4 1055 GARDENIA	6/2/09	1445	5	X					2				2	1					X		3	2	
5 1059 GARDENIA-1	6/3/09	1115	5	X					2				2	1					X		3	2	
6 1059 GARDENIA-2	6/3/09	1400	5	X					2				2	1					X		3	2	
7 1058 GARDENIA -1	6/4/09	1105	5	X					2				2	1					X		3	2	
8 1058 GARDENIA -2	6/4/09	1415	5	X					2				2	1					X		3	2	

Special Instructions:

Method of Shipment: FEDEX

Relinquished by:	Date	Time	Received by:	Date	Time
	6/4/09	1900	FEDEX	6/4/09	
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
				615	8:20

Laboratory Comments:

Temperature Upon Receipt: 3-7°C

VOCs Free of Headspace? Y

ATTACHMENT A

NON-HAZARDOUS MANIFEST

WASTE MANAGEMENT

CWMI

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 1

3. Generator's Name and Mailing Address
MCAS, Beaufort
Laurel Bay Housing
Beaufort SC 29904

4. Generator's Phone 843 228-6460

A. Manifest Number WMNA 10885472

B. State Generator's ID

5. Transporter 1 Company Name: EEG, Inc.

6. US EPA ID Number

C. State Transporter's ID

D. Transporter's Phone 843 879-0411

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
HICKORY HILL LANDFILL
ROUTE 1, BOX 121
RIDGELAND SC 29936

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone 843 987-4643

GENERATOR

11. Description of Waste Materials	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments
a. Heating Oil Tank filled with Sand WM Profile # 1026558C	001		10.16	TN	
b. WM Profile #					
c. WM Profile #					
d. WM Profile #					

J. Additional Descriptions for Materials Listed Above

Landfill _____ Solidification _____

Bio Remediation _____

K. Disposal Location

Cell Level

Grid

15. Special Handling Instructions and Additional Information
6 EA UST's from Houses
1) 1047 GARDENIA 2) 1050 GARDENIA 3) 1052 GARDENIA 4) 1053 GARDENIA 5) 1055 GARDENIA 6) 1110 IRIS

Purchase Order #

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: William A. Drawdy | Signature "On behalf of": W. A. Drawdy | Month Day Year: 06 21 2019

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

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: Jan Collins | Signature: Collins | Month Day Year: 06 23 19

CWM - NHM - 1 - 5/97

#2 - GENERATOR #1 COPY

Appendix C
Laboratory Analytical Report - Initial Groundwater

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants
Laboratory ID: OG26003-001
Description: BEALB1055TW01WG20130725
Matrix: Aqueous
Date Sampled: 07/25/2013 1005
Date Received: 07/26/2013

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	08/02/2013 1917	ALL		26393

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	ND		0.50	0.25	0.027	ug/L	1
Ethylbenzene	100-41-4	8260B	8.5		0.50	0.25	0.17	ug/L	1
Naphthalene	91-20-3	8260B	89		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	1.0		0.50	0.25	0.17	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
1,2-Dichloroethane-d4		105	70-120
Toluene-d8		105	85-120
Bromofluorobenzene		119	75-120
Dibromofluoromethane		106	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

Client: AECOM - Resolution Consultants
Laboratory ID: OG26003-001
Description: BEALB1055TW01WG20130725
Matrix: Aqueous
Date Sampled: 07/25/2013 1005
Date Received: 07/26/2013

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	07/30/2013 1330	RBH	07/29/2013 1434	26002

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	ND	QS	0.22	0.11	0.092	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	ND	QS	0.22	0.11	0.098	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	ND	QS	0.22	0.11	0.10	ug/L	1
Chrysene	218-01-9	8270D	ND	QS	0.22	0.11	0.061	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	ND	QS	0.22	0.11	0.065	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Fluorobiphenyl		105	50-110
Nitrobenzene-d5	N	114	40-110
Terphenyl-d14		89	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

CDM - AECOM
Multimedia Joint Venture

Volatile Organic Compounds by GC/MS

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QL17067-018**
Description: **BEALB1055MW01WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1725**
Date Received: **12/17/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/28/2015 1725	SES		93122

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**	**3.6**	**J**	**5.0**	0.51	**0.21**	**ug/L**	**1**
Naphthalene	**91-20-3**	**8260B**	**39**		**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**	**0.32**	**J**	**5.0**	0.57	**0.32**	**ug/L**	**1**

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	75-120
1,2-Dichloroethane-d4		98	70-120
Toluene-d8		107	85-120
Dibromofluoromethane		94	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: **QL17067-018**
Description: **BEALB1055MW01WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1725**
Date Received: **12/17/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	12/24/2015 0058	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		76	15-139
Fluoranthene-d10		86	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: **QL17067-017**
Description: **BEALB1055MW02WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1715**
Date Received: **12/17/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/24/2015 1655	JM1		93010

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		103	75-120
1,2-Dichloroethane-d4		106	70-120
Toluene-d8		110	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

Shealy Environmental Services, Inc.
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Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QL17067-017**
Description: **BEALB1055MW02WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1715**
Date Received: **12/17/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	12/24/2015 0031	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		75	15-139
Fluoranthene-d10		95	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: **QL17067-015**
Description: **BEALB1055MW03WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1550**
Date Received: **12/17/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/24/2015 1610	JM1		93010

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		102	75-120
1,2-Dichloroethane-d4		106	70-120
Toluene-d8		109	85-120
Dibromofluoromethane		107	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.
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Semivolatile Organic Compounds by GC/MS (SIM)

Client: **AECOM - Resolution Consultants**
Laboratory ID: **QL17067-015**
Description: **BEALB1055MW03WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1550**
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 2242	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		86	15-139
Fluoranthene-d10		97	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: **QL17067-016**
Description: **BEALB1059MW04WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1550**
Date Received: **12/17/2015**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/24/2015 1632	JM1		93010

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		101	75-120
1,2-Dichloroethane-d4		106	70-120
Toluene-d8		111	85-120
Dibromofluoromethane		108	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: **QL17067-016**
Description: **BEALB1059MW04WG20151216**
Matrix: **Aqueous**
Date Sampled: **12/16/2015 1550**
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 2310	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		84	15-139
Fluoranthene-d10		98	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

CDM - AECOM
Multimedia Joint Venture

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2018
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	Property Status				Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
119 Banyan Drive	57 Banyan Drive	LTM	BEALB119MW01	12/11/2015	N	< 0.45 U	**5.0**	**36 J**	< 0.48 U	**3.3 J**	**0.065 J**	**0.034 J**	< 0.040 U	**0.079 J**	< 0.080 U
					FD	< 0.45 U	**5.0**	**37 J**	< 0.48 U	**3.5 J**	< 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
				6/14/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**0.050 J**	< 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
			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	< 0.080 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
				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
				1/23/2018	N	NA	NA	< 0.80 U	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	< 0.080 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
				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 UJ
				1/23/2018	N	NA	NA	< 0.80 U	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	< 0.080 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
				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 UJ
				1/23/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
128 Banyan Drive	156 Banyan Drive	LTM	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
			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	< 0.080 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
				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
				1/22/2018	N	NA	NA	< 0.80 U	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	< 0.080 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
				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 UJ
				1/22/2018	N	NA	NA	**10**	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	< 0.080 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
					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
				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 UJ
				1/22/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
130 Banyan Drive	174 Banyan Drive	LTM	BEALB130MW01	3/23/2017	N	**1.2**	**66**	**160**	< 0.80	**12**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
				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
132 Banyan Drive	188 Banyan Drive	LTM	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
				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
				1/19/2018	N	**33**	NA	**310**	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	< 0.080 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
				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
				1/19/2018	N	< 0.80 U	NA	**0.99 J**	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	< 0.080 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 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
				1/19/2018	N	< 0.80 U	NA	< 0.80 U	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	< 0.080 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
				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 UJ
				1/19/2018	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
135 Birch Drive	378 Birch Drive	LTM	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
					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	**1.0**	**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
			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	< 0.080 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
				6/13/2017	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
				1/23/2018	N	NA	NA	< 0.80 U	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	< 0.080 UJ
				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
				6/13/2017	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 UJ
				1/22/2018	N	NA	NA	< 0.80 U	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	< 0.080 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
				6/13/2017	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 UJ
				1/22/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA

RESOLUTION CONSULTANTS

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2018
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	Property Status				Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
148 Laurel Bay Boulevard	917 Laurel Bay Boulevard	LTM	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	**4.0**	**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*	< 0.80 U	**8.1**	**87**	< 0.80 U	< 0.80 U	**0.24**	**0.098 J**	< 0.10 U	**0.15 J**	< 0.10 U
			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	< 0.080 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
					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	< 0.080 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
			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	< 0.080 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
156 Laurel Bay Boulevard	989 Laurel Bay Boulevard	LTM	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
					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
			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	< 0.080 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
			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	< 0.080 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
			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	< 0.080 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
			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	< 0.080 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
256 Beech Street	53 Beech Street	LTM	BEALB256MW01	3/23/2017	N	**1.2**	**14**	**38**	< 0.80	**12**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
					FD	**1.3**	**15**	**38**	< 0.80	**13**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
				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	< 0.10 UJ
273 Birch Drive	82 Birch Drive	LTM	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
282 Birch Drive	191 Birch Drive	NFA	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	< 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	< 0.080 U
					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	< 0.080 U
				9/15/2015	N	< 0.45 U	NA	**16**	NA	NA	NA	NA	NA	NA	NA
					FD	< 0.45 U	NA	**13**	NA	NA	NA	NA	NA	NA	NA
				7/28/2016	N	NA	NA	**15**	NA	NA	NA	NA	NA	NA	NA
					FD	NA	NA	**16**	NA	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	< 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	< 0.080 U
				9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/28/2016	N	NA	NA	< 0.80 U	NA	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	< 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
				9/15/2015	N	< 0.45 U	NA	**0.14 J**	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	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	< 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
				9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
285 Birch Drive	174 Birch Drive	LTM	BEALB285MW01	3/23/2017	N	**0.95**	**5.1**	**33**	< 0.80	**5.9**	< 0.10	< 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	< 0.10 U
292 Birch Drive	273 Birch Drive	NFA	BEALB292MW01	3/23/2017	N	< 0.80	**3.2**	**10**	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
325 Ash Street	238 Ash Street	LTM	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

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Appendix E-3
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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	Property Status				Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
326 Ash Street	239 Ash Street	LTM	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	< 0.10 U
				6/14/2017	N	**2.2**	**8.0**	**37**	< 0.80 U	**23**	< 0.50 UJ	< 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	< 0.10 UJ
330 Ash Street	309 Ash Street	LTM	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	< 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	< 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**
331 Ash Street	324 Ash Street	LTM	BEALB331MW01	3/23/2017	N	< 0.80	**2.0**	**41**	< 0.80	**3.6**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
				1/24/2018	N	< 0.80 U	**1.0**	**32**	< 0.80 U	**1.8**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
335 Ash Street	350 Ash Street	LTM	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**
336 Ash Street	381 Ash Street	LTM	BEALB336MW01	7/25/2016	N	**5.9**	**12**	**55**	< 0.80 U	**2.0**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
					FD	**6.6**	**13**	**63**	< 0.80 U	**2.3**	< 0.10 U	< 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	< 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	< 0.10 U
342 Ash Street	445 Ash Street	NFA	BEALB342MW01	3/23/2017	N	**0.68**	**0.72**	**5.1**	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
343 Ash Street	410 Ash Street	LTM	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	< 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	< 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	< 0.10 U
353 Ash Street	502 Ash Street	LTM	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	< 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	< 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	< 0.50 UJ
388 Acorn Drive	125 Acorn Drive	LTM	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
				7/27/2016	N	NA	NA	**30**	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	**34**	NA	NA	NA	NA	NA	NA	NA
				1/24/2018	N	NA	NA	**62**	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	< 0.10 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	< 0.080 U
				9/14/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/24/2018	N	NA	NA	< 0.80 U	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
				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	< 0.080 U
				9/14/2015	N	< 0.45 U	NA	**6.8 BJ**	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	**2.8**	NA	NA	NA	NA	NA	NA	NA
					FD	NA	NA	**3.2**	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	**8.5**	NA	NA	NA	NA	NA	NA	NA
				1/24/2018	N	NA	NA	**3.5**	NA	NA	NA	NA	NA	NA	NA
391 Acorn Drive	138 Acorn Drive	NFA	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
					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
				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	< 0.080 U
				9/14/2015	N	< 0.45 U	NA	**0.51 BJ**	NA	NA	NA	NA	NA	NA	NA
			BEALB391MW115	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
				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	< 0.080 U
				9/14/2015	N	< 0.45 U	NA	**0.63 BJ**	NA	NA	NA	NA	NA	NA	NA
			BEALB391MW116	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
				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	< 0.080 U
				9/14/2015	N	< 0.45 U	NA	**19 BJ**	NA	NA	NA	NA	NA	NA	NA
398 Acorn Drive	203 Acorn Drive	NFA	BEALB398MW104	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
				9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			BEALB398MW105	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	**0.18 J**	NA	NA	NA	NA	NA	NA	NA
			BEALB398MW106	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
				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
430 Elderberry Drive	323 Elderberry Drive	NFA	BEALB430MW01	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

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					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
437 Elderberry Drive	362 Elderberry Drive	LTM	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
					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
					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
					FD	**1.3 J**	NA	**200 BJ**	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	**77**	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	**170**	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	**83**	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
				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	< 0.080 U
				9/15/2015	N	< 0.45 U	NA	**0.86 J**	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	**0.88 J**	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	**1.7**	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	**1.0**	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
				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
				9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/24/2018	N	NA	NA	< 0.80 U	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
				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
				9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/24/2018	N	NA	NA	< 0.80 U	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
				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
				9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/24/2018	N	NA	NA	< 0.80 U	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
				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
				9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	**2.4**	NA	NA	NA	NA	NA	NA	NA
				6/15/2017	N	NA	NA	**1.1**	NA	NA	NA	NA	NA	NA	NA
				1/24/2018	N	NA	NA	**0.67 J**	NA	NA	NA	NA	NA	NA	NA
440 Elderberry Drive	405 Elderberry Drive	LTM	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	< 0.50 U
					FD	**1.0**	**15**	**90**	< 0.80 U	**9.7**	< 0.10 U	< 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	< 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	< 0.10 UJ
441 Elderberry Drive	392 Elderberry Drive	NFA	BEALB441MW117	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
				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	< 0.040 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	< 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	< 0.040 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	< 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	< 0.080 U
456 Elderberry Drive	537 Elderberry Drive	LTM	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
458 Elderberry Drive	551 Elderberry Drive	LTM	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**
				1/24/2018	N/A	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**
468 Dogwood Drive	65 Dogwood Drive	NFA	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	< 0.10 U
473 Dogwood Drive	82 Dogwood Drive	LTM	BEALB473MW01	3/23/2017	N	< 0.80	**11**	**57**	< 0.80	**2.7**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
				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	< 0.10 U
518 Laurel Bay Boulevard	403 Laurel Bay Boulevard	NFA	BEALB518MW01	7/26/2016	N	< 0.80 U	**1.5**	**20**	< 0.80 U	**2.6**	< 0.10 U	**0.16 J**	**0.15 J**	< 0.10 U	**0.15 J**
635 Dahlia Drive	542 Dahlia Drive	NFA	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	< 0.10 U
638 Dahlia Drive	549 Dahlia Drive	NFA	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	< 0.10 U
640 Dahlia Drive	569 Dahlia Drive	NFA	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	< 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	< 0.10 U
647 Dahlia Drive	668 Dahlia Drive	NFA	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	< 0.10 U
648 Dahlia Drive	633 Dahlia Drive	LTM	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	< 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	< 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**

RESOLUTION CONSULTANTS

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2018
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	Property Status				Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
650 Dahlia Drive	653 Dahlia Drive	LTM	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
				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
			BEALB650MW02	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	< 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
				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
652 Dahlia Drive	669 Dahlia Drive	NFA	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	< 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	< 0.10 U
747 Blue Bell Lane	426 Blue Bell Lane	NFA	BEALB747MW01	3/23/2017	N	< 0.80	**2.1**	**22**	< 0.80	**0.70**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
749 Blue Bell Lane	440 Blue Bell Lane	LTM	BEALB749MW01	3/23/2017	N	< 0.80	**3.3**	**29**	< 0.80	**7.4**	< 0.10	< 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
760 Althea Street	101 Althea Street	NFA	BEALB760MW01	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	< 0.10 U
775 Althea Street	244 Althea Street	NFA	BEALB775MW01	3/23/2017	N	< 0.80	**6.2**	**23**	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1033 Foxglove Street	256 Foxglove Street	NFA	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	< 0.040 U	< 0.080 U
					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	< 0.040 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	< 0.040 U	< 0.080 U
			BEALB1033MW03	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	< 0.040 U	< 0.080 U
			BEALB1033MW04	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	NFA	BEALB1034MW01	3/24/2017	N	< 0.80	< 0.80	**1.5**	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1054 Gardenia Drive	Empty Lot	LTM	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
				9/16/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	**0.99 J**	NA	NA	NA	NA	NA	NA	NA
				6/19/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	< 0.80 U	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
				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	< 0.080 U
				9/16/2015	N	< 0.45 U	NA	**17**	NA	NA	NA	NA	NA	NA	NA
				7/28/2016	N	NA	NA	**8.3**	NA	NA	NA	NA	NA	NA	NA
				6/19/2017	N	NA	NA	**7.2**	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	**8.7**	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
				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	< 0.080 U
				9/16/2015	N	< 0.45 U	NA	**23 BJ**	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	**4.9**	NA	NA	NA	NA	NA	NA	NA
				6/19/2017	N	NA	NA	**13**	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	**7.0**	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
				9/11/2014	N	**0.19 J**	**13**	**54**	**1.3**	**25**	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
					FD	**0.19 J**	**12**	**44**	**1.3**	**22**	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
				9/16/2015	N	< 0.45 U	NA	**54 BJ**	NA	NA	NA	NA	NA	NA	NA
					FD	< 0.45 U	NA	**59**	NA	NA	NA	NA	NA	NA	NA
				7/28/2016	N	NA	NA	**29**	NA	NA	NA	NA	NA	NA	NA
				6/19/2017	N	NA	NA	**31**	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	**41**	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
					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
				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	< 0.080 U
				9/16/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				6/19/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	< 0.80 U	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
				9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.80 U
				9/16/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/28/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				6/19/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	< 0.80 U	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
				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	< 0.080 U
				9/16/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
				7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				6/19/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
				1/25/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA

Appendix E-3
Historical Groundwater Analytical Results - 2013 through 2018
Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	Property Status				Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
1055 Gardenia Drive	191 Gardenia Drive	LTM	BEALB1055MW01	12/16/2015	N	< 0.45 U	**3.6 J**	**39 J**	< 0.48 U	**0.32 J**	< 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
				6/16/2017	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
				1/25/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			BEALB1055MW02	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	< 0.040 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
				6/16/2017	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
				1/25/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			BEALB1055MW03	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	< 0.040 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
				6/16/2017	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
				1/25/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			BEALB1055MW04	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	< 0.040 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
				1/25/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
1059 Gardenia Drive	159 Gardenia Drive	LTM	BEALB1059MW01	12/16/2015	N	**1.8 J**	**8.8**	**39 J**	**3.8 J**	**39**	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
				8/3/2016	N/A	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**
				6/19/2017	N/A	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**
				1/29/2018	N/A	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**
			BEALB1059MW02	12/16/2015	N	< 0.45 U	**2.7 J**	**10 J**	< 0.48 U	< 0.57 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	**4.4**	< 0.80 U	**0.86 J**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
				6/19/2017	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
				1/29/2018	N	< 0.80 U	< 0.80 U	**0.50 J**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			BEALB1059MW03	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	< 0.040 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
				6/16/2017	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
				1/29/2018	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
			BEALB1059MW04	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	< 0.040 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
				6/16/2017	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
				1/29/2018	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
			BEALB1059MW05	3/24/2017	N	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
				1/29/2018	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
1102 Iris Lane	123 Iris Lane	NFA	BEALB1102MW01	7/26/2016	N	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
1104 Iris Lane	141 Iris Lane	NFA	BEALB1104MW01	3/24/2017	N	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
1124 Iris Lane	287 Iris Lane	LTM	BEALB1124MW01	3/24/2017	N	< 0.80	**11**	**49**	< 0.80	**1.8**	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
				1/26/2018	N	< 0.80 U	**5.1**	**24**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1132 Iris Lane	345 Iris Lane	LTM	BEALB1132MW01	7/26/2016	N	< 0.80 U	**5.4**	**33**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
				6/16/2017	N	< 0.80 U	**1.1**	**2.2**	< 0.80 U	**0.83 J**	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
				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
1133 Iris Lane	408 Iris Lane	NFA	BEALB1133MW01	7/26/2016	N	< 0.80 U	< 0.80 U	**0.45 J**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1144 Iris Lane	433 Iris lane	LTM	BEALB1144MW01	7/26/2016	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	**4.4**	**25**	**180**	< 0.80 U	**3.3**	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
				1/29/2018	N	**4.0**	**19**	**130 J**	< 0.80 U	< 0.80 U	**0.42 J**	< 0.50 UJ	< 0.50 UJ	**0.21 J**	< 0.50 UJ
			BEALB1144MW02	7/26/2016	N	**5.0**	**52**	**210**	< 4.0 U	< 4.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
					FD	**5.0**	**53**	**200**	< 4.0 U	< 4.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
				6/16/2017	N	**5.4**	**58**	**230**	< 0.80 U	**3.1**	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
				1/26/2018	N	**2.8**	**23**	**110**	< 0.80 U	< 0.80 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
1148 Iris lane	467 Iris lane	LTM	BEALB1148MW01	7/26/2016	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/A	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**
				1/29/2018	N/A	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**	**NS - FP**
			BEALB1148MW02	7/26/2016	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	**0.61 J**	**15**	**100**	< 0.80 U	**4.9**	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
				1/29/2018	N	< 0.80 U	**3.5**	**50 J**	< 0.80 U	**0.52 J**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1168 Jasmine Street	40 Jasmine Street	NFA	BEALB1168MW01	12/17/2015	N	< 0.45 U	**0.71 J**	**1.9 J**	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
					FD	< 0.45 U	**0.46 J**	**1.4 J**	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			BEALB1168MW02	12/17/2015	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	< 0.080 U
			BEALB1168MW03	12/17/2015	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	< 0.080 U
			BEALB1168MW04	12/17/2015	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	< 0.080 U
1186 Bobwhite Drive	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1186MW01	12/11/2017	N	< 0.80 U	< 0.80 U	**0.40 J**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1192 Bobwhite Drive	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1192MW01	12/7/2017	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

RESOLUTION CONSULTANTS

Appendix E-3
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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	Property Status				Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
1194 Cardinal Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1194MW01	12/7/2017	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
1272 Albatross Drive	59 Albatross Drive	NFA	BEALB1272MW01	7/26/2016	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
1352 Cardinal Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1352MW01	12/8/2017	N	< 0.80 U	**1.4**	**12**	< 0.80 U	**0.47 J**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1356 Cardinal Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1356MW01	12/8/2017	N	< 0.80 U	**3.9**	**18**	< 0.80 U	**2.9**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1359 Cardinal Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1359MW01	12/8/2017	N	< 0.80 U	**15**	**110**	< 0.80 U	**16**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1360 Cardinal Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1360MW01	12/8/2017	N	**2.6**	**30**	**100**	< 0.80 U	**25**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1362 Cardinal Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1362MW01	12/8/2017	N	**4.9**	**38**	**170**	< 0.80 U	**46**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
					FD	**4.7**	**36**	**160**	< 0.80 U	**43**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1370 Cardinal Lane	Empty Lot	Pending Results of Newly Installed PMW (MW02)	BEALB1370MW01	12/8/2017	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
1382 Dove Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1382MW01	12/8/2017	N	< 0.80 U	< 0.80 U	**1.1**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ
1384 Dove Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1384MW01	12/8/2017	N	**0.59 J**	**3.3**	**6.9**	< 0.80 U	**2.1**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1385 Dove Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1385MW01	12/8/2017	N	< 0.80 U	**19**	**88**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1389 Dove Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1389MW01	12/11/2017	N	< 0.80 U	**16**	**82**	< 0.80 U	**23**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1392 Dove Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1392MW01	12/8/2017	N	< 0.80 U	**11**	**60**	**0.47 J**	**42**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
					FD	< 0.80 U	**11**	**61**	**0.41 J**	**41**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1393 Dove Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1393MW01	12/11/2017	N	< 0.80 U	**10**	**40**	< 0.80 U	**4.1**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1407 Eagle Lane	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1407MW01	12/11/2017	N	< 0.80 U	**4.3**	**31**	**44**	**3.5**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
					FD	< 0.80 U	**4.4**	**32**	**46**	**3.4**	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
1411 Eagle Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1411MW01	12/11/2017	N	< 0.80 U	**2.5**	**15**	**0.72 J**	**9.6**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1418 Albatross Drive	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1418MW01	12/7/2017	N	< 0.80 U	**1.6**	**11**	< 0.80 U	**1.1**	**0.19 J**	< 0.10 UJ	< 0.10 UJ	**0.11 J**	< 0.10 UJ
1420 Albatross Drive	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1420MW01	12/7/2017	N	< 0.80 U	**7.5**	**33**	< 0.80 U	**9.6**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1426 Albatross Drive	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1426MW01	12/7/2017	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
1429 Albatross Drive	Empty Lot	Pending SCDHEC Decision for LTM	BEALB1429MW01	12/7/2017	N	< 0.80 U	**9.7**	**60**	< 0.80 U	**13**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1431 Dove Lane	480 Dove Lane	LTM	BEALB1431MW01	3/24/2017	N	< 0.80	**0.86**	**69**	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
				1/29/2018	N	< 0.80 U	< 0.80 U	**29 J**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1434 Dove Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1434MW01	12/7/2017	N	< 0.80 U	**0.50 J**	**6.5**	< 0.80 U	< 0.80 U	**0.18 J**	< 0.10 UJ	< 0.10 UJ	**0.092 J**	< 0.10 UJ
1435 Dove Lane	500 Dove Lane	LTM	BEALB1435MW01	3/23/2017	N	**7.4**	**65**	**240**	**13**	**300**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
				1/29/2018	N	**5.2**	**42**	**180 J**	**2.9**	**77**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
					FD	**4.8**	**40**	**150 J**	**2.5**	**64**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1436 Dove Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1436MW01	12/7/2017	N	< 0.80 U	**0.49 J**	**9.0**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1440 Dove Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1440MW01	12/7/2017	N	< 0.80 U	**1.6**	**3.4**	< 0.80 U	**3.0**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1442 Dove Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1442MW01	12/7/2017	N	< 0.80 U	**0.79 J**	**6.2**	**57**	**0.70 J**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1444 Dove Lane	Empty Lot	Pending SCDHEC Decision for NFA	BEALB1444MW01	12/7/2017	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
1452 Cardinal Lane	567 Cardinal Lane	Pending Results of Newly Installed PMW (MW02)	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

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					SCDHEC RBSLs	5	700	25	1000	10000	10	10	10	10	10
			Well ID	Sample Date	Sample Type										
1472 Cardinal Lane	743 Cardinal Lane	LTM	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
					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
					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
					FD	**2.6**	**39**	**110**	**1.0**	**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
					FD	**2.4**	NA	**56 J**	NA	NA	NA	NA	NA	NA	NA
			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
			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
			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
			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
			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

Notes:
All units are in micrograms per liter (µg/L)
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 (BEALB148MW01-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 Report - Vapor

CDM - AECOM
Multimedia Joint Venture

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Client: **AECOM**
Client Sample ID: **BEALB1055SS01GS20170427**
Client Project ID: **WE56-191 Gardenia Drive / 60342031.FI.WI**

ALS Project ID: P1702122
ALS Sample ID: P1702122-001

Test Code: EPA TO-15
Instrument ID: Tekmar AUTOCAN/Agilent 5975Binert/6890N/MS13
Analyst: Cory Lewis
Sampling Media: 1.0 L Summa Canister
Test Notes:
Container ID: 1SC01196

Date Collected: 4/27/17
Date Received: 5/5/17
Date Analyzed: 5/8/17
Volume(s) Analyzed: 0.40 Liter(s)

Initial Pressure (psig): -2.18 Final Pressure (psig): 5.17

Canister Dilution Factor: 1.59

CAS #	Compound	Result µg/m³	LOQ µg/m³	LOD µg/m³	MDL µg/m³	Data Qualifier
71-43-2	Benzene	**3.3**	2.0	1.7	0.64	
108-88-3	Toluene	**9.2**	2.0	1.7	0.68	
100-41-4	Ethylbenzene	**1.8**	2.0	1.7	0.64	**J**
179601-23-1	m,p-Xylenes	**4.6**	4.0	3.4	1.2	
95-47-6	o-Xylene	**1.7**	2.0	1.7	0.60	**J**
91-20-3	Naphthalene	1.7	2.0	1.7	0.72	**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.
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

CDM - AECOM
Multimedia Joint Venture

D H E C
PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner
Promoting and protecting the health of the public and the environment.

August 19, 2009

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

Re: MCAS – Laurel Bay Housing – 1055 Gardenia St.
Site ID # 04262
UST Closure Reports received August 17, 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 (office phone), 803-896-6245 (fax) or cookejt@dhec.sc.gov.

Sincerely,

Jan T. Cooke, Hydrogeologist
AST Petroleum Restoration
& Site Environmental Investigations Section
Land Revitalization Division
Bureau of Land and Waste Management
SC Dept. of Health & Environmental Control

cc: Region 8 District EQC
Tri-Command Communities; Attn: Mr. Robert Bible; 600 Laurel Bay Road Beaufort, SC 29906
Technical File

D H E C
PROMOTE PROTECT PROSPER
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
Specifice 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	

dhec
Healthy People. Healthy Communities.

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

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Healthy People. Healthy Communities.

September 24, 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 2018 Groundwater Monitoring Report (LTM) Revision 1
Approved NFA 119 Banyan Drive and 1055 Gardenia Drive
Laurel Bay Military Housing Area

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced response to comments and Revision 1 change pages for the report on August 9, 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 response to comments and revised report pages. Based on this review, DHEC has not generated additional comments. DHEC agrees with the recommendation of NFA for 119 Banyan Drive and 1055 Gardenia Drive.

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
Department of Defense Corrective Action Section

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

dhec
Healthy People. Healthy Communities.

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

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

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