

**SUMMARY REPORT
500 WEST DOVE LANE (FORMERLY 1435 WEST DOVE LANE)
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
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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
RSL	regional screening level
SCDHEC	South Carolina Department of Health and Environmental Control
Site	LBMH area at MCAS Beaufort, South Carolina
UFP SAP	Uniform Federal Policy Sampling and Analysis Plan
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VI	vapor intrusion
VISL	vapor intrusion screening level

1.0 INTRODUCTION

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

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

This report summarizes the results the environmental investigation activities associated with the storage of home heating oil and the potential release of petroleum constituents at the referenced property. Based on the results of the investigation, long-term monitoring (LTM) was approved by the South Carolina Department of Health and Environmental Control (SCDHEC) for 500 West Dove Lane (Formerly 1435 West Dove Lane) in order to monitor groundwater impacts from the former heating oil USTs. LTM consists of annual groundwater sampling and is currently being conducted at the referenced property. The following information is included in this report:

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

1.1 Background Information

The LBMH area is located approximately 3.5 miles west of MCAS Beaufort. The area is approximately 970 acres in size and serves as an enlisted and officer family housing area. The area is configured with single family and duplex residential structures, and includes recreation, open space, and community facilities. The community includes approximately 1,300 housing units, including legacy Capehart style homes and newer duplex style homes. The housing area

is bordered on the west by salt marshes and the Broad River, and to the north, east and south by uplands. Forested areas lie along the northern and northeastern borders.

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

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

In 2015, the Public-Private Venture (PPV) responsible for the management of the residential area at LBMH initiated a plan to replace outdated homes in the LBMH area. The plan includes the demolition of existing homes and subsequent construction of new homes. In discussions with the PPV it was revealed that construction of the new homes could occur on portions of the property where the USTs were formerly located. In response to this plan, MCAS Beaufort assessed subsurface soil gas concentrations in the area of the former USTs at select properties within the demolition areas. The subject property of this report is one of the properties within the planned demolition area which was selected for a soil gas evaluation. It should be noted that the house at the subject property has since been demolished and this property is an empty lot. There are no current plans for construction in this area.

1.2 UST Removal and Assessment Process

During the UST removal process, a soil sample was collected from beneath the UST excavations (approximately 4 to 6 feet [ft] below ground surface [bgs]) and analyzed for a predetermined list of constituents of potential concern (COPCs) associated with the petroleum compounds found in home heating oil. These COPCs, derived from the *Quality Assurance Program Plan*

(QAPP) for the *Underground Storage Tank Management Division, Revision 3.1* (SCDHEC, 2016) and the *Underground Storage Tank Assessment Instructions for Permanent Closure and Change-In-Service*, (SCDHEC, 2018), are as follows:

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

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

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

In accordance with the multi-media investigation selection process (Appendix A), groundwater analytical results are typically compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion into existing homes and

the necessity for an investigation associated with this media. However, as previously stated, this property did not have an existing home and instead was among those selected for an evaluation of soil gas because of the planned demolition and construction activities.

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for 500 West Dove Lane (Formerly 1435 West Dove Lane). The sampling activities at 500 West Dove Lane (Formerly 1435 West Dove Lane) comprised a soil investigation, IGWA sampling, installation and sampling of seven 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 – 1435 West Dove Lane* (MCAS Beaufort, 2011) and in the *SCDHEC UST Assessment Report – 1435 West Dove Lane* (MCAS Beaufort, 2013). The UST Assessment Reports are provided in Appendix B. Details regarding the IGWA sampling activities at this site are provided in the *Initial Groundwater Investigation Report – February 2015* (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 – March and April 2017* (Resolution Consultants, 2017) and in the *Groundwater Assessment Report – November and December 2018 and April 2019* (CDM-AECOM Multimedia JV, 2019). The laboratory reports that includes the pertinent groundwater analytical results for this site are presented in Appendix D. Details regarding the LTM activities to date at this site are provided in the *2019 Groundwater Monitoring Report* (Resolution Consultants, 2019). A comprehensive table of the historical groundwater analytical results for all permanent monitoring wells at the site through 2019 is presented in Appendix E. Details regarding the VI investigation at this site are provided in the *Technical Memorandum – Soil Gas Sampling Results – October 2014* (Resolution Consultants, 2015). 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

In May 2011 and April 2013, two 280 gallon heating oil USTs were removed from 500 West Dove Lane (Formerly 1435 West Dove Lane). Tank 1 was removed on May 5, 2011, from the front landscaped area, adjacent to the concrete porch. Tank 2 was removed on April 9, 2013, from underneath the front concrete porch. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). The USTs were removed and properly

disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removals. According to the UST Assessment Reports (Appendix B), the depths to the bases of the USTs were 4'7" bgs (Tank 1) and 6'0" bgs (Tank 2) and a single soil sample was collected for each from those depths. The samples were collected from the fill port side of the former USTs to represent a worst case scenario and shipped to an offsite laboratory for analysis of the petroleum COPCs. Sampling was performed in accordance with applicable South Carolina regulation R.61-92, Part 280 (SCDHEC, 2017) and assessment guidelines.

2.2 Soil Analytical Results

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

The soil sample results were submitted by MCAS Beaufort to SCDHEC utilizing SCDHEC's UST Assessment Report form (Appendix B). The results of the soil sampling at the former UST locations (Tanks 1 and 2) were used by MCAS Beaufort, in consultation with SCDHEC, to determine a path forward (i.e., additional sampling or No Further Action [NFA]) for the property. The soil results collected from the former UST locations (Tanks 1 and 2) at 500 West Dove Lane (Formerly 1435 West Dove Lane) were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated April 1, 2014, SCDHEC requested an IGWA for 500 West Dove Lane (Formerly 1435 West Dove Lane) 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 February 2, 2015, a single temporary monitoring well was installed at 500 West Dove Lane (Formerly 1435 West Dove Lane), in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether COPCs are migrating to underlying groundwater, the monitoring well was placed in the same general location as the former heating oil USTs (Tanks 1 and 2). The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports

(Appendix B). Further details are provided in the *Initial Groundwater Investigation Report – February 2015* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the temporary monitoring well. Following well installation and development, a groundwater sample was collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Upon completion of groundwater sampling, the temporary well was abandoned in accordance with the South Carolina Well Standards and Regulations R.61-71 (SCDHEC, 2016). Field forms are provided in the *Initial Groundwater Investigation Report – February 2015* (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 500 West Dove Lane (Formerly 1435 West Dove Lane) were greater than the SCDHEC RBSLs and the site specific groundwater VISLs (Table 2), which indicated further investigation was required. In a letter dated May 5, 2015, SCDHEC requested a permanent well be installed for 500 West Dove Lane (Formerly 1435 West Dove Lane) 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

On March 14, 2017, a permanent monitoring well was installed at 500 West Dove Lane (Formerly 1435 West Dove Lane), 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 permanent monitoring well, MW01, was placed in the same general location as the former heating oil USTs (Tanks 1 and 2) and the IGWA sample location. The former UST locations are indicated on Figures 2 and 3 of the UST Assessment Reports (Appendix B). Further details are provided in the *Groundwater Assessment Report – March and April 2017* (Resolution Consultants, 2017). The sampling strategy for this phase of the investigation required a one-time sampling event of the permanent monitoring well to confirm the impact to groundwater detected in the temporary well sample.

In November 2018 and April 2019, six additional permanent wells (MW02, MW03, MW04, MW05, MW06 and MW07) were also installed around the property at 500 West Dove Lane (Formerly 1435 West Dove Lane) to delineate potential contamination. Further details are provided in the *Groundwater Assessment Report – November and December 2018 and April 2019* (CDM-AECOM Multimedia JV, 2019). 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 – March and April 2017* (Resolution Consultants, 2017) and in the *Groundwater Assessment Report – November and December 2018 and April 2019* (CDM-AECOM Multimedia JV, 2019).

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.

During the March and April 2017 groundwater assessment, the groundwater results collected from 500 West Dove Lane (Formerly 1435 West Dove Lane) at MW01 were greater than the SCDHEC RBSLs (Table 3), which indicated that further investigation was required. Based on these results, a recommendation was made to conduct LTM at 500 West Dove Lane (Formerly 1435 West Dove Lane). In a letter dated December 11, 2017, SCDHEC approved the LTM recommendation for 500 West Dove Lane (Formerly 1435 West Dove Lane) to continue to monitor the impact to groundwater detected in the permanent well sample (MW01). SCDHEC's approval letter is provided in Appendix G.

During the November and December 2018 and April 2019 groundwater assessments, the groundwater results collected from 500 West Dove Lane (Formerly 1435 West Dove Lane) at MW04 were greater than the SCDHEC RBSLs (Table 3), which indicated that further investigation was required. Based on these results, a recommendation was made to adopt the delineation wells into the existing LTM program for 500 West Dove Lane (Formerly 1435 West Dove Lane). In a letter dated August 14, 2019, SCDHEC approved the recommendation to add the additional permanent wells to the LTM program for 500 West Dove Lane (Formerly 1435 West Dove Lane) in order to monitor the impact to groundwater at this property. SCDHEC's approval letter is provided in Appendix G.

2.7 Long Term Monitoring

The LTM program at 500 West Dove Lane (Formerly 1435 West Dove Lane) consists of annual groundwater sampling at the seven permanent monitoring wells. LTM sampling activities have been conducted annually since 2018 at the referenced site. The latest groundwater sampling details are provided in the *2019 Groundwater Monitoring Report* (Resolution Consultants, 2019).

The sampling strategy for this phase of the investigation required annual LTM sampling of the permanent wells until an optimized monitoring strategy (e.g., reduced COPCs, reduced sampling frequency, reduce number of wells, etc.) or NFA determination could be made for the site. During each LTM sampling event, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. Field forms from the most recent sampling event in February and March 2019 are provided in the *2019 Groundwater Monitoring Report* (Resolution Consultants, 2019).

2.8 Long Term Monitoring Analytical Results

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

The groundwater results collected from 500 West Dove Lane (Formerly 1435 West Dove Lane) from at least one of the monitoring wells were greater than the SCDHEC RBSLs and/or the site specific groundwater VISLs (Table 4) during the 2018 and 2019 groundwater sampling events. This indicated LTM was required to continue at the property to further assess the impact in groundwater by COPCs associated with the former USTs (Tanks 1 and 2) at concentrations that may present a potential risk to human health and the environment. In a letter dated December 17, 2019, SCDHEC approved continuing LTM at 500 West Dove Lane (Formerly 1435 West Dove Lane) in order to monitor groundwater impacts from the former heating oil UST. SCDHEC's approval letter is provided in Appendix G.

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

2.9 Soil Gas Sampling

On October 3, 2014, a single temporary subsurface soil gas well was installed at 500 West Dove Lane (Formerly 1435 West Dove Lane) in accordance with the SCDHEC approved *Uniform Federal Policy Sampling and Analysis Plan (UFP SAP) for Vapor Media*, (Resolution Consultants, 2015). Soil gas sampling was conducted at this property to assess the potential risk for vapor intrusion associated with the possible construction of a new home on top of the former UST location. The subsurface soil gas well was placed in the same general location as the former heating oil UST (Tank 2) and MW01. The former UST location is indicated on Figures 2 and 3 of the UST Assessment Report (Appendix B). Further details are provided in the *Technical Memorandum – Soil Gas Sampling Results – October 2014* (Resolution Consultants, 2015).

The sampling strategy for this phase of the investigation required a one-time sampling event of the subsurface soil gas well. The subsurface soil gas well at 500 West Dove Lane (Formerly 1435 West Dove Lane) was sampled on October 8, 2014. 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 subsurface soil gas well was abandoned in accordance with the *UFP SAP for Vapor Media* (Resolution Consultants, 2015). Field forms are provided in the *Technical Memorandum – Soil Gas Sampling Results – October 2014* (Resolution Consultants, 2015).

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 500 West Dove Lane (Formerly 1435 West Dove Lane) were below the USEPA VISLs, which indicated that the subsurface 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

The house at 500 West Dove Lane (Formerly 1435 West Dove Lane) was demolished and the property is an empty lot. There are no current plans for construction in this area. Based on the analytical results for groundwater collected from the permanent monitoring wells, LTM is

required to continue at 500 West Dove Lane (Formerly 1435 West Dove Lane) to further assess the impact in groundwater by COPCs associated with the former USTs (Tanks 1 and 2). Groundwater monitoring results for this site beyond 2019 will be available on the Laurel Bay Health Study website, which is located at: <https://www.beaufort.marines.mil/Resources/Laurel-Bay-Health-Study/>. Based on the analytical results for soil gas, 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 500 West Dove Lane (Formerly 1435 West Dove Lane) in a letter dated March 10, 2015. SCDHEC's letter is provided in Appendix G.

4.0 REFERENCES

- CDM-AECOM Multimedia JV, 2019. *Groundwater Assessment Report – November and December 2018 and April 2019 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, July 2019.
- Marine Corps Air Station Beaufort, 2011. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1435 West Dove Lane, Laurel Bay Military Housing Area*, September 2011.
- Marine Corps Air Station Beaufort, 2013. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report – 1435 West Dove Lane, Laurel Bay Military Housing Area*, October 2013.
- Resolution Consultants, 2015. *Initial Groundwater Investigation Report – February 2015 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, April 2015.
- Resolution Consultants, 2015. *Uniform Federal Policy Sampling and Analysis Plan for Vapor Media, for Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, February 2015.
- Resolution Consultants, 2015. *Technical Memorandum – Soil Gas Sampling Results – October 2014 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, January 2015.

- Resolution Consultants, 2017. *Groundwater Assessment Report – March and April 2017 for Laurel Bay Military Housing Area, Multiple Properties, Laurel Bay Military Housing Area, Marine Corps Air Station Beaufort, Beaufort, South Carolina*, August 2017.
- Resolution Consultants, 2019. *2019 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*, October 2019.
- 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, 2014. *USEPA OSWER Vapor Intrusion Assessment, Vapor Intrusion Screening Level Calculator, Version 3.3.1*, May 2014.

Tables

Table 1
Laboratory Analytical Results - Soil
500 West Dove Lane (1435 West Dove Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs ⁽¹⁾	Results Samples Collected 05/05/11 and 04/09/13	
		1435 Dove 05/05/11	1435-2 Dove 04/09/13
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)			
Benzene	0.003	0.00243	0.0222
Ethylbenzene	1.15	0.109	3.21
Naphthalene	0.036	1.51	23.8
Toluene	0.627	0.00479	0.0190
Xylenes, Total	13.01	0.458	8.51
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (mg/kg)			
Benzo(a)anthracene	0.66	ND	ND
Benzo(b)fluoranthene	0.66	ND	ND
Benzo(k)fluoranthene	0.66	ND	ND
Chrysene	0.66	ND	0.0586
Dibenz(a,h)anthracene	0.66	ND	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).

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
500 West Dove Lane (1435 West Dove Lane)
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 02/03/15
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)			
Benzene	5	16.24	3.2
Ethylbenzene	700	45.95	47
Naphthalene	25	29.33	150
Toluene	1000	105,445	10
Xylenes, Total	10,000	2,133	200
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)			
Benzo(a)anthracene	10	NA	ND
Benzo(b)fluoranthene	10	NA	ND
Benzo(k)fluoranthene	10	NA	ND
Chrysene	10	NA	ND
Dibenz(a,h)anthracene	10	NA	ND

Notes:

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

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

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

JE - Johnson & Ettinger

NA - not applicable

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Table 3
Laboratory Analytical Results - Permanent Monitoring Well Groundwater
500 West Dove Lane (1435 West Dove Lane)
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 03/23/17, 12/13/18, and 04/09/19						
			MW01 03/23/17	MW02 012/13/18	MW03 12/13/18	MW04 12/13/18	MW05 12/13/18	MW06 04/09/19	MW07 04/09/19
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)									
Benzene	5	16.24	7.4	ND	ND	3.1	ND	ND	ND
Ethylbenzene	700	45.95	65	ND	ND	17	ND	ND	ND
Naphthalene	25	29.33	240	ND	0.65	73	1.0	ND	1.9
Toluene	1000	105,445	13	ND	ND	2.2	ND	ND	ND
Xylenes, Total	10,000	2,133	300	ND	ND	74	ND	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270D (µg/L)									
Benzo(a)anthracene	10	NA	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND	ND	ND	ND	ND	ND
Chrysene	10	NA	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	10	NA	ND	ND	ND	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 3.1 (SCDHEC, February 2016).

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

Bold font indicates the analyte was detected.

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

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
500 West Dove Lane (1435 West Dove Lane)
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									
BEALB1435MW01	3/23/2017	7.4	65	240	13	300	ND	ND	ND	ND
	1/29/2018	5.2	42	180	2.9	77	ND	ND	ND	ND
	2/25/2019	4.2	35	97	1.1	35	ND	ND	ND	ND
BEALB1435MW02	12/13/2018	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
BEALB1435MW03	12/13/2018	ND	ND	0.65	ND	ND	ND	ND	ND	ND
	2/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
BEALB1435MW04	12/13/2018	3.1	17	73	2.2	74	ND	ND	ND	ND
	2/25/2019	2.8	16	73	2	77	ND	ND	ND	ND
BEALB1435MW05	12/13/2018	ND	ND	1	ND	ND	ND	ND	ND	ND
	2/25/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
BEALB1435MW06	4/9/2019	ND	ND	ND	ND	ND	ND	ND	ND	ND
BEALB1435MW07	4/9/2019	ND	ND	1.9	ND	ND	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 3.1 (SCDHEC, February 2016).

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

Bold font indicates the analyte was detected.

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

JE - Johnson & Ettinger

N/A - not applicable

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

µg/L - micrograms per liter

VISL - Vapor Intrusion Screening Level

Table 5
Laboratory Analytical Results - Vapor
500 West Dove Lane (1435 West Dove Lane)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	USEPA VISL ⁽¹⁾	Soil Gas Results Samples Collected 10/08/14
Volatile Organic Compounds Analyzed by USEPA Method TO-15 ($\mu\text{g}/\text{m}^3$)		
Benzene	12	0.38
Toluene	17000	0.31
Ethylbenzene	37	ND
m,p-Xylenes	350	ND
o-Xylene	350	ND
Naphthalene	2.8	ND

Notes:

⁽¹⁾ United States Environmental Protection Agency Exterior Soil Gas Vapor Intrusion Screening Level (VISL) from VISL Calculator (Version 3.3.1, May 2014).

VISLs are based on a residual exposure scenario and a target risk level of 1×10^{-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.

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.

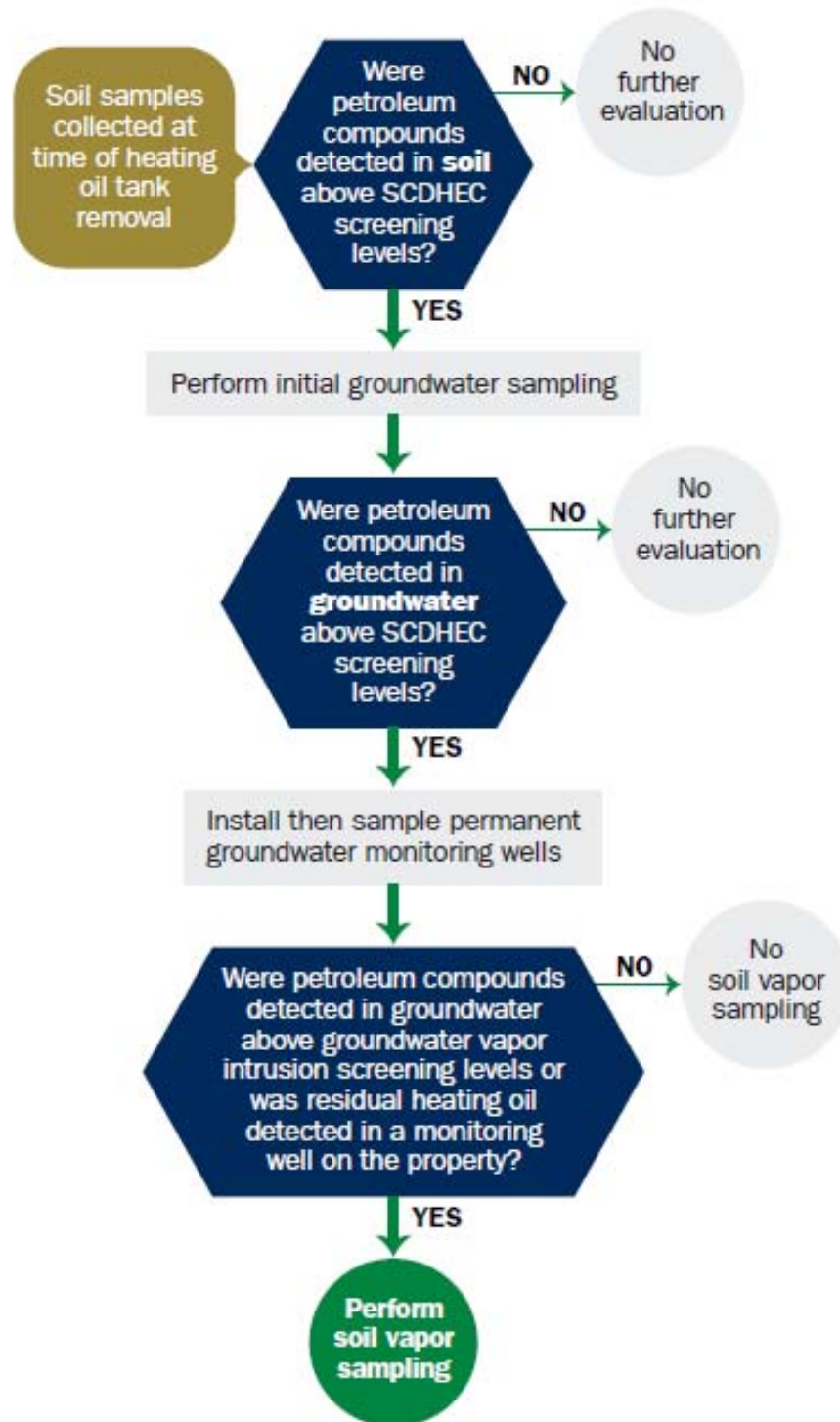
RBSL - Risk-Based Screening Level

$\mu\text{g}/\text{m}^3$ - micrograms per cubic meter

USEPA - United States Environmental Protection Agency

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Reports

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

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	
1435 Dove Lane, Laurel Bay Military Housing Area	
Street Address or State Road (as applicable)	
Beaufort,	Beaufort
City	County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

My policy provider is: _____

The policy deductible is: _____

The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

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

VI. UST INFORMATION

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

1435Dove				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
4' 7"				
No				
No				
Removed				
5/5/2011				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
 UST 1435Dove was removed from the ground and disposed 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 1435Dove 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).....	1435Dove				
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.....	No				
G.	Visible Holes Y/N.....	Yes				
H.	Age.....	No				
I.	If any corrosion, pitting, or holes were observed, describe the location and extent for each piping run.	Late 1950s				

Corrosion and pitting were found on the surface of the steel vent pipe. The copper supply and return lines were sound.

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? 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 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1435Dove	Excav at fill end	Soil	Sandy	4'7"	5/5/11 1545 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? *~820' to Broad R. 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, water, electricity, cable & fiber optic 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

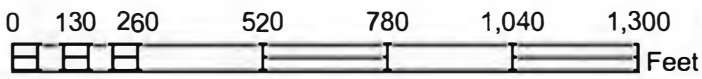
XIII. SITE MAP

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)



1435 DOVE LANE



SBG-EEG, Inc.

398 E. 5th North Street, Suite C
Summerville SC 29483-6954

Ph. (843) 875-1930

Drawn By: L. DiAsio

Dwg Date: JULY 2011

FIGURE 1: LOCATION MAP
1435 DOVE LANE
LAUREL BAY, BEAUFORT SC



BROAD R. $\approx$ 820'



1435 DOVE LANE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC

UST 1435DOVE

GRAPHIC SCALE

0 5' 10' 20'

SBG-EEG

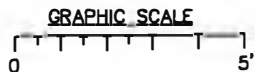
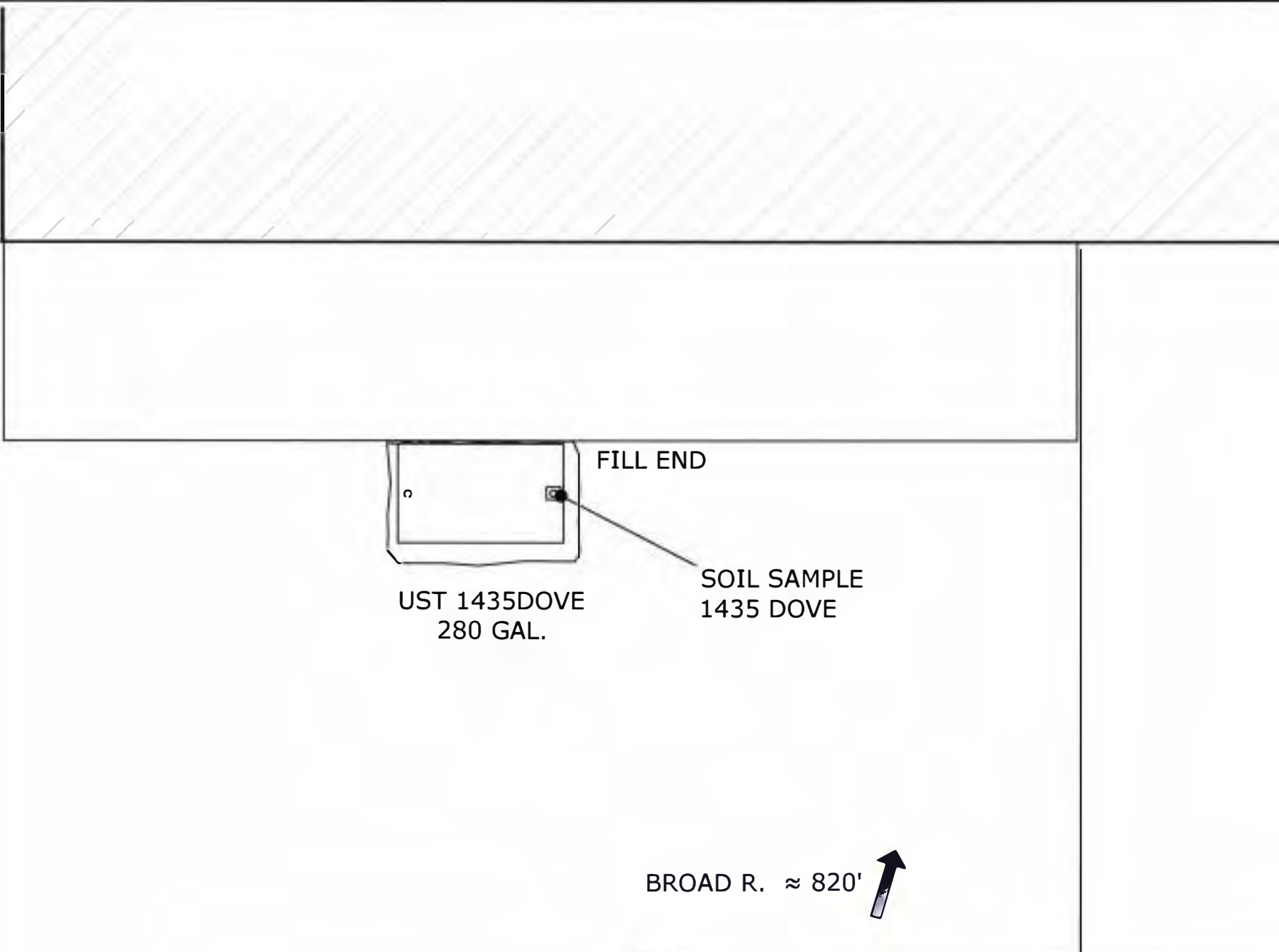
10179 HWY 78
LADSON, SC 29456

ph. (843) 879-0400

FIGURE 2 SITE MAP
1435 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE JULY 2011



TANK DEPTH BELOW GRADE 1435DOVE = 19"
--

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

FIGURE 3 UST SAMPLE LOCATIONS 1435 DOVE LANE, LAUREL BAY MCAS BEAUFORT SC	
SCALE: GRAPHIC	DWG DATE JULY 2011



Picture 1: Location of UST 1435Dove.



Picture 2: UST 1435Dove excavation pit.

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	1435Dove						
Benzene		0.00243 mg/kg						
Toluene		0.00479 mg/kg						
Ethylbenzene		0.109 mg/kg						
Xylenes		0.458 mg/kg						
Naphthalene		1.51 mg/kg						
Benzo (a) anthracene		ND						
Benzo (b) fluoranthene		ND						
Benzo (k) fluoranthene		ND						
Chrysene		ND						
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)

May 20, 2011 1:48:05PM

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Nbr: 1027
P/O Nbr: 1027
Date Received: 05/07/11

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1383 Dove	NUE1252-01	05/02/11 11:45
1408 Eagle	NUE1252-02	05/03/11 13:45
1362 Cardinal	NUE1252-03	05/04/11 16:00
1435 Dove	NUE1252-04	05/05/11 15:45

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

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

South Carolina Certification Number: 84009

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

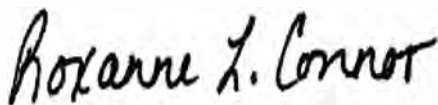
These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

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:



Roxanne Connor

Program Manager - Conventional Accounts

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE1252-01 (1383 Dove - Soil) Sampled: 05/02/11 11:45										
General Chemistry Parameters										
% Dry Solids	80.5		%	0.500	0.500		05/18/11 14:24	SW-846	AMS	11E4197
Volatile Organic Compounds by EPA Method 8260B										
Benzene	ND		mg/kg dry	0.00120	0.00218		05/12/11 17:53	SW846 8260B	KKK	11E2166
Ethylbenzene	ND		mg/kg dry	0.00107	0.00218		05/12/11 17:53	SW846 8260B	KKK	11E2166
1,2,3,4-Tetrahydronaphthalene	ND		mg/kg dry	0.00185	0.00545		05/12/11 17:53	SW846 8260B	KKK	11E2166
Toluene	ND		mg/kg dry	0.000970	0.00218		05/12/11 17:53	SW846 8260B	KKK	11E2166
Xylenes, total	ND		mg/kg dry	0.00207	0.00545		05/12/11 17:53	SW846 8260B	KKK	11E2166
Current: 1,2-Dichloroethane-d4 (67-138%)	92 %						05/12/11 17:53	SW846 8260B	KKK	11E2166
Current: Dibromofluoromethane (75-125%)	100 %						05/12/11 17:53	SW846 8260B	KKK	11E2166
Current: Toluene-d8 (76-129%)	88 %						05/12/11 17:53	SW846 8260B	KKK	11E2166
Current: 4-Bromofluorobenzene (67-147%)	96 %						05/12/11 17:53	SW846 8260B	KKK	11E2166
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	ND		mg/kg dry	0.0171	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Acenaphthylene	ND		mg/kg dry	0.0245	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Anthracene	ND		mg/kg dry	0.0110	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Benzo (a) anthracene	ND		mg/kg dry	0.0135	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Benzo (a) pyrene	ND		mg/kg dry	0.00979	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Benzo (b) fluoranthene	ND		mg/kg dry	0.0465	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0110	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Benzo (k) fluoranthene	ND		mg/kg dry	0.0453	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Benzofluoranthene	ND		mg/kg dry	0.0379	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0184	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Fluoranthene	ND		mg/kg dry	0.0135	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Fluorene	0.0734		mg/kg dry	0.0245	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0379	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Naphthalene	ND		mg/kg dry	0.0171	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Phenanthrene	0.145		mg/kg dry	0.0122	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Pyrene	ND		mg/kg dry	0.0282	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
1-Methylnaphthalene	0.173		mg/kg dry	0.0147	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
2-Methylnaphthalene	0.266		mg/kg dry	0.0257	0.0820		05/14/11 17:49	SW846 8270D	JLS	11E2121
Current: Terphenyl-d14 (18-120%)	86 %						05/14/11 17:49	SW846 8270D	JLS	11E2121
Current: 2-Fluorobiphenyl (14-120%)	56 %						05/14/11 17:49	SW846 8270D	JLS	11E2121
Current: Nitrobenzene-d5 (17-120%)	55 %						05/14/11 17:49	SW846 8270D	JLS	11E2121

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE1252
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	1027
Attn	Tom McElwee	Received:	05/07/11 09:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
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Sample ID: NUE1252-02 (1408 Eagle - Soil) Sampled: 05/03/11 13:45

General Chemistry Parameters

Dry Solids	82.9		%	0.500	0.500	1	05/18/11 14:24	SW-846	AMS	11E4197
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Volatile Organic Compounds by EPA Method 8260B

Benzene	ND		mg/kg dry	0.00107	0.00195	1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Ethylbenzene	0.0280		mg/kg dry	0.000953	0.00195	1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Phthalene	0.0401		mg/kg dry	0.00165	0.00486	1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Toluene	0.0214		mg/kg dry	0.000866	0.00195	1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Aromatics, total	0.133		mg/kg dry	0.00185	0.00486	1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Recovery: 1,2-Dichloroethane-d4 (67-138%)	94 %					1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Recovery: Dibromofluoromethane (75-125%)	101 %					1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Recovery: Toluene-d8 (76-129%)	103 %					1	05/12/11 18:22	SW846 8260B	KKK	11E2166
Recovery: 4-Bromofluorobenzene (67-147%)	110 %					1	05/12/11 18:22	SW846 8260B	KKK	11E2166

Polyaromatic Hydrocarbons by EPA 8270D

Acenaphthene	ND		mg/kg dry	0.0167	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Acenaphthylene	ND		mg/kg dry	0.0239	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Anthracene	ND		mg/kg dry	0.0107	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Benzo (a) anthracene	ND		mg/kg dry	0.0131	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Benzo (a) pyrene	0.0517	J	mg/kg dry	0.00954	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Benzo (b) fluoranthene	0.0990		mg/kg dry	0.0453	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0107	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Benzo (k) fluoranthene	0.0553	J	mg/kg dry	0.0441	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Biphenylene	0.0644	J	mg/kg dry	0.0370	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0179	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Fluoranthene	ND		mg/kg dry	0.0131	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Indene	ND		mg/kg dry	0.0239	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0370	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
1-methylanthracene	0.0708	J	mg/kg dry	0.0167	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
1-methylnaphthalene	ND		mg/kg dry	0.0119	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
2-methylanthracene	0.197		mg/kg dry	0.0274	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
2-methylnaphthalene	0.111		mg/kg dry	0.0143	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
2-methylnaphthalene	0.112		mg/kg dry	0.0250	0.0799	1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Recovery: Terphenyl-d14 (18-120%)	47 %					1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Recovery: 2-Fluorobiphenyl (14-120%)	32 %					1	05/14/11 18:15	SW846 8270D	JLS	11E2121
Recovery: Nitrobenzene-d5 (17-120%)	29 %					1	05/14/11 18:15	SW846 8270D	JLS	11E2121

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE1252-03 (1362 Cardinal - Soil) Sampled: 05/04/11 16:00										
General Chemistry Parameters										
% Dry Solids	82.4		%	0.500	0.500	1	05/18/11 14:24	SW-846	AMS	11E4197
Volatile Organic Compounds by EPA Method 8260B										
Benzene	0.0309		mg/kg dry	0.000985	0.00179	1	05/12/11 18:52	SW846 8260B	KKK	11E2166
o-Xylenes	1.43		mg/kg dry	0.0430	0.0877	50	05/13/11 14:07	SW846 8260B	KKK	11E3547
m-Xylenes	6.72		mg/kg dry	0.0745	0.219	50	05/13/11 14:07	SW846 8260B	KKK	11E3547
p-Xylenes	0.0640		mg/kg dry	0.000797	0.00179	1	05/12/11 18:52	SW846 8260B	KKK	11E2166
Toluenes, total	6.39		mg/kg dry	0.0833	0.219	50	05/13/11 14:07	SW846 8260B	KKK	11E3547
1,1-Dichloroethane (67-138%)	98 %					1	05/12/11 18:52	SW846 8260B	KKK	11E2166
1,2-Dichloroethane (67-138%)	78 %					50	05/13/11 14:07	SW846 8260B	KKK	11E3547
1,1,1-Trichloroethane (75-125%)	108 %					1	05/12/11 18:52	SW846 8260B	KKK	11E2166
1,1,2-Trichloroethane (75-125%)	82 %					50	05/13/11 14:07	SW846 8260B	KKK	11E3547
o-Toluenes (76-129%)	214 %	ZX				1	05/12/11 18:52	SW846 8260B	KKK	11E2166
m-Toluenes (76-129%)	96 %					50	05/13/11 14:07	SW846 8260B	KKK	11E3547
p-Toluenes (67-147%)	285 %	ZX				1	05/12/11 18:52	SW846 8260B	KKK	11E2166
o-Xylenes (67-147%)	108 %					50	05/13/11 14:07	SW846 8260B	KKK	11E3547
Polycyclic Aromatic Hydrocarbons by EPA 8270D										
Benzo(a)anthracene	0.613		mg/kg dry	0.0168	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(b)fluoranthene	ND		mg/kg dry	0.0239	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(k)fluoranthene	0.447		mg/kg dry	0.0108	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(a)pyrene	0.203		mg/kg dry	0.0132	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(e)pyrene	0.0746		mg/kg dry	0.00958	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(g,h,i)perylene	0.106		mg/kg dry	0.0455	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(a)anthracene	ND		mg/kg dry	0.0108	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(k)fluoranthene	0.0774		mg/kg dry	0.0443	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(a)pyrene	0.206		mg/kg dry	0.0371	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(b)fluoranthene	ND		mg/kg dry	0.0180	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(k)fluoranthene	0.797		mg/kg dry	0.0132	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(a)pyrene	1.70		mg/kg dry	0.0239	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
Benzo(1,2,3-cd)pyrene	ND		mg/kg dry	0.0371	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
1-Methylnaphthalene	6.17		mg/kg dry	0.168	0.802	10	05/14/11 19:59	SW846 8270D	JLS	11E2121
2-Methylnaphthalene	4.01		mg/kg dry	0.0120	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
3-Methylnaphthalene	0.800		mg/kg dry	0.0275	0.0802	1	05/14/11 18:41	SW846 8270D	JLS	11E2121
4-Methylnaphthalene	14.2		mg/kg dry	0.144	0.802	10	05/14/11 19:59	SW846 8270D	JLS	11E2121
5-Methylnaphthalene	22.8		mg/kg dry	0.251	0.802	10	05/14/11 19:59	SW846 8270D	JLS	11E2121
1,2,3-Trichlorobenzene (18-120%)	78 %					1	05/14/11 18:41	SW846 8270D	JLS	11E2121
1,2,4-Trichlorobenzene (14-120%)	51 %					1	05/14/11 18:41	SW846 8270D	JLS	11E2121
1,3,5-Trichlorobenzene (17-120%)	12 %	ZX				1	05/14/11 18:41	SW846 8270D	JLS	11E2121

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MDL	MRL	Dilution Factor	Analysis Date/Time	Method	Analyst	Batch
Sample ID: NUE1252-04 (1435 Dove - Soil) Sampled: 05/05/11 15:45										
General Chemistry Parameters										
% Dry Solids	79.6		%	0.500	0.500	1	05/18/11 14:24	SW-846	AMS	11E197
Volatile Organic Compounds by EPA Method 8260B										
Benzene	0.00243		mg/kg dry	0.00114	0.00208	1	05/12/11 19:21	SW846 8260B	KKK	11E2166
Ethylbenzene	0.109		mg/kg dry	0.00102	0.00208	1	05/12/11 19:21	SW846 8260B	KKK	11E2166
1,2-Dichlorobenzene	1.51		mg/kg dry	0.0811	0.238	50	05/13/11 13:38	SW846 8260B	KKK	11E3547
1,4-Dichlorobenzene	0.00479		mg/kg dry	0.000926	0.00208	1	05/12/11 19:21	SW846 8260B	KKK	11E2166
1,3-Dichlorobenzene	0.458		mg/kg dry	0.00198	0.00520	1	05/12/11 19:21	SW846 8260B	KKK	11E2166
1,1,1-Trichloroethane	87 %					1	05/12/11 19:21	SW846 8260B	KKK	11E2166
1,1,2-Trichloroethane	82 %					50	05/13/11 13:38	SW846 8260B	KKK	11E3547
1,1,2,2-Tetrachloroethane	97 %					1	05/12/11 19:21	SW846 8260B	KKK	11E2166
1,1,2,2-Tetrachloroethane	86 %					50	05/13/11 13:38	SW846 8260B	KKK	11E3547
1,2-Dichloroethane	110 %					1	05/12/11 19:21	SW846 8260B	KKK	11E2166
1,2-Dichloroethane	95 %					50	05/13/11 13:38	SW846 8260B	KKK	11E3547
1,4-Dibromobenzene	132 %					1	05/12/11 19:21	SW846 8260B	KKK	11E2166
1,4-Dibromobenzene	95 %					50	05/13/11 13:38	SW846 8260B	KKK	11E3547
Polyaromatic Hydrocarbons by EPA 8270D										
Acenaphthene	0.109		mg/kg dry	0.0176	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Acenaphthylene	ND		mg/kg dry	0.0251	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Anthracene	0.0794		mg/kg dry	0.0113	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Benzo (a) anthracene	ND		mg/kg dry	0.0138	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Benzo (a) pyrene	ND		mg/kg dry	0.0100	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Benzo (b) fluoranthene	ND		mg/kg dry	0.0476	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0113	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Benzo (k) fluoranthene	ND		mg/kg dry	0.0464	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Benzofluoranthene	ND		mg/kg dry	0.0389	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0188	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Fluoranthene	ND		mg/kg dry	0.0138	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Fluorene	0.273		mg/kg dry	0.0251	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0389	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
1,2,3,4-Dibenzophenanthrene	0.334		mg/kg dry	0.0176	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
1,2,3,4-Dibenzophenanthrene	0.630		mg/kg dry	0.0125	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
1,2,3,4-Dibenzophenanthrene	0.0606		mg/kg dry	0.0288	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
1-Methylnaphthalene	1.16		mg/kg dry	0.0150	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
2-Methylnaphthalene	1.51		mg/kg dry	0.0263	0.0840	1	05/14/11 19:07	SW846 8270D	JLS	11E2121
1,2,3-Trichlorobenzene	83 %					1	05/14/11 19:07	SW846 8270D	JLS	11E2121
2,3-Dichlorobenzene	56 %					1	05/14/11 19:07	SW846 8270D	JLS	11E2121
1,2,4-Trichlorobenzene	53 %					1	05/14/11 19:07	SW846 8270D	JLS	11E2121

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Vol	Date	Analyst	Extraction Method
Polyaromatic Hydrocarbons by EPA 8270D							
SW846 8270D	11E2121	NUE1252-01	30.44	1.00	05/12/11 14:25	JJR	EPA 3550C
SW846 8270D	11E2121	NUE1252-02	30.34	1.00	05/12/11 14:25	JJR	EPA 3550C
SW846 8270D	11E2121	NUE1252-03	30.42	1.00	05/12/11 14:25	JJR	EPA 3550C
SW846 8270D	11E2121	NUE1252-03RE1	30.42	1.00	05/12/11 14:25	JJR	EPA 3550C
SW846 8270D	11E2121	NUE1252-04	30.08	1.00	05/12/11 14:25	JJR	EPA 3550C
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	11E2166	NUE1252-01	5.70	5.00	05/02/11 11:45	TSP	EPA 5035
SW846 8260B	11E2166	NUE1252-02	6.20	5.00	05/03/11 13:45	TSP	EPA 5035
SW846 8260B	11E2166	NUE1252-03	6.78	5.00	05/04/11 16:00	TSP	EPA 5035
SW846 8260B	11E3547	NUE1252-03RE1	6.92	5.00	05/04/11 16:00	TSP	EPA 5035
SW846 8260B	11E2166	NUE1252-04	6.04	5.00	05/05/11 15:45	TSP	EPA 5035
SW846 8260B	11E3547	NUE1252-04RE1	6.59	5.00	05/05/11 15:45	TSP	EPA 5035

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

PROJECT QUALITY CONTROL DATA

Blank

analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8260B

1E2166-BLK1

Benzene	<0.00110		mg/kg wet	11E2166	11E2166-BLK1	05/12/11 11:58
Ethylbenzene	<0.000980		mg/kg wet	11E2166	11E2166-BLK1	05/12/11 11:58
Naphthalene	<0.00170		mg/kg wet	11E2166	11E2166-BLK1	05/12/11 11:58
Toluene	<0.000890		mg/kg wet	11E2166	11E2166-BLK1	05/12/11 11:58
Xylenes, total	<0.00190		mg/kg wet	11E2166	11E2166-BLK1	05/12/11 11:58
Surrogate: 1,2-Dichloroethane-d4	94%			11E2166	11E2166-BLK1	05/12/11 11:58
Surrogate: Dibromofluoromethane	105%			11E2166	11E2166-BLK1	05/12/11 11:58
Surrogate: Toluene-d8	92%			11E2166	11E2166-BLK1	05/12/11 11:58
Surrogate: 4-Bromofluorobenzene	94%			11E2166	11E2166-BLK1	05/12/11 11:58

1E3547-BLK1

Benzene	<0.00110		mg/kg wet	11E3547	11E3547-BLK1	05/13/11 12:39
Ethylbenzene	<0.000980		mg/kg wet	11E3547	11E3547-BLK1	05/13/11 12:39
Naphthalene	<0.00170		mg/kg wet	11E3547	11E3547-BLK1	05/13/11 12:39
Toluene	<0.000890		mg/kg wet	11E3547	11E3547-BLK1	05/13/11 12:39
Xylenes, total	<0.00190		mg/kg wet	11E3547	11E3547-BLK1	05/13/11 12:39
Surrogate: 1,2-Dichloroethane-d4	88%			11E3547	11E3547-BLK1	05/13/11 12:39
Surrogate: Dibromofluoromethane	94%			11E3547	11E3547-BLK1	05/13/11 12:39
Surrogate: Toluene-d8	95%			11E3547	11E3547-BLK1	05/13/11 12:39
Surrogate: 4-Bromofluorobenzene	97%			11E3547	11E3547-BLK1	05/13/11 12:39

1E3547-BLK2

Benzene	<0.0550		mg/kg wet	11E3547	11E3547-BLK2	05/13/11 13:08
Ethylbenzene	<0.0490		mg/kg wet	11E3547	11E3547-BLK2	05/13/11 13:08
Naphthalene	<0.0850		mg/kg wet	11E3547	11E3547-BLK2	05/13/11 13:08
Toluene	<0.0445		mg/kg wet	11E3547	11E3547-BLK2	05/13/11 13:08
Xylenes, total	<0.0950		mg/kg wet	11E3547	11E3547-BLK2	05/13/11 13:08
Surrogate: 1,2-Dichloroethane-d4	85%			11E3547	11E3547-BLK2	05/13/11 13:08
Surrogate: Dibromofluoromethane	94%			11E3547	11E3547-BLK2	05/13/11 13:08
Surrogate: Toluene-d8	94%			11E3547	11E3547-BLK2	05/13/11 13:08
Surrogate: 4-Bromofluorobenzene	96%			11E3547	11E3547-BLK2	05/13/11 13:08

Polycyclic Aromatic Hydrocarbons by EPA 8270D

1E2121-BLK1

Acenaphthene	<0.0140		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Acenaphthylene	<0.0200		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Anthracene	<0.00900		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Benzo (a) anthracene	<0.0110		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Benzo (a) pyrene	<0.00800		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Benzo (b) fluoranthene	<0.0380		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Benzo (g,h,i) perylene	<0.00900		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Benzo (k) fluoranthene	<0.0370		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polycyclic Aromatic Hydrocarbons by EPA 8270D						
1E2121-BLK1						
Chrysene	<0.0310		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Dibenz (a,h) anthracene	<0.0150		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Fluoranthene	<0.0110		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Fluorene	<0.0200		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Naphthalene	<0.0140		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Phenanthrene	<0.0100		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Pyrene	<0.0230		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
1-Methylnaphthalene	<0.0120		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
2-Methylnaphthalene	<0.0210		mg/kg wet	11E2121	11E2121-BLK1	05/14/11 15:11
Surrogate: Terphenyl-d14	81%			11E2121	11E2121-BLK1	05/14/11 15:11
Surrogate: 2-Fluorobiphenyl	60%			11E2121	11E2121-BLK1	05/14/11 15:11
Surrogate: Nitrobenzene-d5	61%			11E2121	11E2121-BLK1	05/14/11 15:11

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

PROJECT QUALITY CONTROL DATA
Duplicate

analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
1E4197-DUP1 s Dry Solids	77.2	78.4		%	2	20	11E4197	NUE1226-09		05/18/11 14:24

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

PROJECT QUALITY CONTROL DATA LCS

Sample	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
1E2166-BS1								
Benzene	50.0	48.5		ug/kg	97%	78 - 126	11E2166	05/12/11 10:28
Ethylbenzene	50.0	49.4		ug/kg	99%	79 - 130	11E2166	05/12/11 10:28
1,2,3,4-Tetrahydronaphthalene	50.0	42.4		ug/kg	85%	72 - 150	11E2166	05/12/11 10:28
Toluene	50.0	44.3		ug/kg	89%	76 - 126	11E2166	05/12/11 10:28
Xylenes, total	150	150		ug/kg	100%	80 - 130	11E2166	05/12/11 10:28
Surrogate: 1,2-Dichloroethane-d4	50.0	43.4			87%	67 - 138	11E2166	05/12/11 10:28
Surrogate: Dibromofluoromethane	50.0	51.6			103%	75 - 125	11E2166	05/12/11 10:28
Surrogate: Toluene-d8	50.0	43.9			88%	76 - 129	11E2166	05/12/11 10:28
Surrogate: 4-Bromofluorobenzene	50.0	48.6			97%	67 - 147	11E2166	05/12/11 10:28
1E3547-BS1								
Benzene	50.0	47.4		ug/kg	95%	78 - 126	11E3547	05/13/11 11:04
Ethylbenzene	50.0	47.0		ug/kg	94%	79 - 130	11E3547	05/13/11 11:04
1,2,3,4-Tetrahydronaphthalene	50.0	38.8		ug/kg	78%	72 - 150	11E3547	05/13/11 11:04
Toluene	50.0	47.2		ug/kg	94%	76 - 126	11E3547	05/13/11 11:04
Xylenes, total	150	141		ug/kg	94%	80 - 130	11E3547	05/13/11 11:04
Surrogate: 1,2-Dichloroethane-d4	50.0	41.3			83%	67 - 138	11E3547	05/13/11 11:04
Surrogate: Dibromofluoromethane	50.0	44.6			89%	75 - 125	11E3547	05/13/11 11:04
Surrogate: Toluene-d8	50.0	48.3			97%	76 - 129	11E3547	05/13/11 11:04
Surrogate: 4-Bromofluorobenzene	50.0	49.1			98%	67 - 147	11E3547	05/13/11 11:04
Polycyclic Aromatic Hydrocarbons by EPA 8270D								
1E2121-BS1								
Acenaphthene	1.67	1.25		mg/kg wet	75%	49 - 120	11E2121	05/14/11 15:38
Acenaphthylene	1.67	1.06		mg/kg wet	64%	52 - 120	11E2121	05/14/11 15:38
Anthracene	1.67	1.49		mg/kg wet	89%	58 - 120	11E2121	05/14/11 15:38
Benzo (a) anthracene	1.67	1.40		mg/kg wet	84%	57 - 120	11E2121	05/14/11 15:38
Benzo (a) pyrene	1.67	1.35		mg/kg wet	81%	55 - 120	11E2121	05/14/11 15:38
Benzo (b) fluoranthene	1.67	1.56		mg/kg wet	94%	51 - 123	11E2121	05/14/11 15:38
Benzo (g,h,i) perylene	1.67	1.31		mg/kg wet	79%	49 - 121	11E2121	05/14/11 15:38
Benzo (k) fluoranthene	1.67	1.24		mg/kg wet	74%	42 - 129	11E2121	05/14/11 15:38
Benzofluorene	1.67	1.31		mg/kg wet	79%	55 - 120	11E2121	05/14/11 15:38
Dibenz (a,h) anthracene	1.67	1.39		mg/kg wet	84%	50 - 123	11E2121	05/14/11 15:38
Fluoranthene	1.67	1.46		mg/kg wet	88%	58 - 120	11E2121	05/14/11 15:38
Fluorene	1.67	1.30		mg/kg wet	78%	54 - 120	11E2121	05/14/11 15:38
Indeno (1,2,3-cd) pyrene	1.67	1.35		mg/kg wet	81%	50 - 122	11E2121	05/14/11 15:38
Naphthalene	1.67	1.09		mg/kg wet	65%	28 - 120	11E2121	05/14/11 15:38
Phenanthrene	1.67	1.43		mg/kg wet	86%	56 - 120	11E2121	05/14/11 15:38
Pyrene	1.67	1.46		mg/kg wet	87%	56 - 120	11E2121	05/14/11 15:38
1-Methylnaphthalene	1.67	1.05		mg/kg wet	63%	36 - 120	11E2121	05/14/11 15:38
2-Methylnaphthalene	1.67	1.16		mg/kg wet	69%	36 - 120	11E2121	05/14/11 15:38

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE1252
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	1027
Attn	Tom McElwee	Received:	05/07/11 09:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

nalyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polycyclic Aromatic Hydrocarbons by EPA 8270D								
1E2121-BS1								
Surrogate: Terphenyl-d14	50.0	43.8			88%	18 - 120	11E2121	05/14/11 15:38
Surrogate: 2-Fluorobiphenyl	50.0	30.3			61%	14 - 120	11E2121	05/14/11 15:38
Surrogate: Nitrobenzene-d5	50.0	27.7			55%	17 - 120	11E2121	05/14/11 15:38

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE1252
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	1027
Attn	Tom McElwee	Received:	05/07/11 09:15

PROJECT QUALITY CONTROL DATA

LCS Dup

analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
1E2166-BSD1												
Benzene		48.3		ug/kg	50.0	97%	78 - 126	0.5	50	11E2166		05/12/11 10:57
Ethylbenzene		48.9		ug/kg	50.0	98%	79 - 130	1	50	11E2166		05/12/11 10:57
Naphthalene		41.1		ug/kg	50.0	82%	72 - 150	3	50	11E2166		05/12/11 10:57
Toluene		44.4		ug/kg	50.0	89%	76 - 126	0.2	50	11E2166		05/12/11 10:57
Xylenes, total		147		ug/kg	150	98%	80 - 130	2	50	11E2166		05/12/11 10:57
Surrogate: 1,2-Dichloroethane-d4		43.4		ug/kg	50.0	87%	67 - 138			11E2166		05/12/11 10:57
Surrogate: Dibromofluoromethane		51.9		ug/kg	50.0	104%	75 - 125			11E2166		05/12/11 10:57
Surrogate: Toluene-d8		44.0		ug/kg	50.0	88%	76 - 129			11E2166		05/12/11 10:57
Surrogate: 4-Bromofluorobenzene		48.5		ug/kg	50.0	97%	67 - 147			11E2166		05/12/11 10:57
1E3547-BSD1												
Benzene		48.4		ug/kg	50.0	97%	78 - 126	2	50	11E3547		05/13/11 11:34
Ethylbenzene		47.4		ug/kg	50.0	95%	79 - 130	0.8	50	11E3547		05/13/11 11:34
Naphthalene		41.6		ug/kg	50.0	83%	72 - 150	7	50	11E3547		05/13/11 11:34
Toluene		47.8		ug/kg	50.0	96%	76 - 126	1	50	11E3547		05/13/11 11:34
Xylenes, total		143		ug/kg	150	95%	80 - 130	0.8	50	11E3547		05/13/11 11:34
Surrogate: 1,2-Dichloroethane-d4		42.3		ug/kg	50.0	85%	67 - 138			11E3547		05/13/11 11:34
Surrogate: Dibromofluoromethane		46.3		ug/kg	50.0	93%	75 - 125			11E3547		05/13/11 11:34
Surrogate: Toluene-d8		48.7		ug/kg	50.0	97%	76 - 129			11E3547		05/13/11 11:34
Surrogate: 4-Bromofluorobenzene		48.7		ug/kg	50.0	97%	67 - 147			11E3547		05/13/11 11:34

Client	EEG - Small Business Group, Inc. (2449)	Work Order:	NUE1252
	10179 Highway 78	Project Name:	Laurel Bay Housing Project
	Ladson, SC 29456	Project Number:	1027
Attn	Tom McElwee	Received:	05/07/11 09:15

PROJECT QUALITY CONTROL DATA

Matrix Spike

analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
olatile Organic Compounds by EPA Method 8260B										
1E2166-MS1										
benzene	0.00243	0.0802		mg/kg dry	0.0724	107%	42 - 141	11E2166	NUE1252-04	05/12/11 19:51
ethylbenzene	0.109	0.366	M1	mg/kg dry	0.0724	354%	21 - 165	11E2166	NUE1252-04	05/12/11 19:51
naphthalene	0.270	1.34	M1	mg/kg dry	0.0724	1480%	10 - 160	11E2166	NUE1252-04	05/12/11 19:51
toluene	0.00479	0.101		mg/kg dry	0.0724	133%	45 - 145	11E2166	NUE1252-04	05/12/11 19:51
Xylenes, total	0.458	1.43	M1	mg/kg dry	0.217	448%	31 - 159	11E2166	NUE1252-04	05/12/11 19:51
Surrogate: 1,2-Dichloroethane-d4		39.5		ug/kg	50.0	79%	67 - 138	11E2166	NUE1252-04	05/12/11 19:51
Surrogate: Dibromofluoromethane		46.6		ug/kg	50.0	93%	75 - 125	11E2166	NUE1252-04	05/12/11 19:51
Surrogate: Toluene-d8		59.4		ug/kg	50.0	119%	76 - 129	11E2166	NUE1252-04	05/12/11 19:51
Surrogate: 4-Bromofluorobenzene		112	ZX	ug/kg	50.0	223%	67 - 147	11E2166	NUE1252-04	05/12/11 19:51
1E3547-MS1										
benzene	ND	1.98		mg/kg dry	2.19	90%	42 - 141	11E3547	NUE1252-03RE	05/14/11 09:43
ethylbenzene	1.43	2.61		mg/kg dry	2.19	54%	21 - 165	11E3547	NUE1252-03RE	05/14/11 09:43
naphthalene	6.72	6.66	M2	mg/kg dry	2.19	-3%	10 - 160	11E3547	NUE1252-03RE	05/14/11 09:43
toluene	0.0588	1.84		mg/kg dry	2.19	81%	45 - 145	11E3547	NUE1252-03RE	05/14/11 09:43
Xylenes, total	6.39	9.08		mg/kg dry	6.58	41%	31 - 159	11E3547	NUE1252-03RE	05/14/11 09:43
Surrogate: 1,2-Dichloroethane-d4		40.6		ug/kg	50.0	81%	67 - 138	11E3547	NUE1252-03RE	05/14/11 09:43
Surrogate: Dibromofluoromethane		47.2		ug/kg	50.0	94%	75 - 125	11E3547	NUE1252-03RE	05/14/11 09:43
Surrogate: Toluene-d8		48.4		ug/kg	50.0	97%	76 - 129	11E3547	NUE1252-03RE	05/14/11 09:43
Surrogate: 4-Bromofluorobenzene		53.6		ug/kg	50.0	107%	67 - 147	11E3547	NUE1252-03RE	05/14/11 09:43
Polycyclic Aromatic Hydrocarbons by EPA 8270D										
1E2121-MS1										
Acenaphthene	ND	1.10		mg/kg dry	1.87	59%	42 - 120	11E2121	NUE1229-03	05/14/11 16:04
Acenaphthylene	ND	0.956		mg/kg dry	1.87	51%	32 - 120	11E2121	NUE1229-03	05/14/11 16:04
Anthracene	ND	1.25		mg/kg dry	1.87	67%	10 - 200	11E2121	NUE1229-03	05/14/11 16:04
Benzo (a) anthracene	0.0403	1.20		mg/kg dry	1.87	62%	41 - 120	11E2121	NUE1229-03	05/14/11 16:04
Benzo (a) pyrene	ND	1.18		mg/kg dry	1.87	63%	33 - 121	11E2121	NUE1229-03	05/14/11 16:04
Benzo (b) fluoranthene	ND	1.24		mg/kg dry	1.87	66%	26 - 137	11E2121	NUE1229-03	05/14/11 16:04
Benzo (g,h,i) perylene	ND	1.15		mg/kg dry	1.87	61%	21 - 124	11E2121	NUE1229-03	05/14/11 16:04
Benzo (k) fluoranthene	ND	1.13		mg/kg dry	1.87	60%	14 - 140	11E2121	NUE1229-03	05/14/11 16:04
Benzene	0.0407	1.14		mg/kg dry	1.87	59%	28 - 123	11E2121	NUE1229-03	05/14/11 16:04
Dibenz (a,h) anthracene	ND	1.19		mg/kg dry	1.87	64%	25 - 127	11E2121	NUE1229-03	05/14/11 16:04

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270D										
1E2121-MS1										
fluoranthene	0.0843	1.32		mg/kg dry	1.87	66%	38 - 120	11E2121	NUE1229-03	05/14/11 16:04
fluorene	ND	1.20		mg/kg dry	1.87	64%	41 - 120	11E2121	NUE1229-03	05/14/11 16:04
indeno (1,2,3-cd) pyrene	ND	1.18		mg/kg dry	1.87	63%	25 - 123	11E2121	NUE1229-03	05/14/11 16:04
naphthalene	ND	1.01		mg/kg dry	1.87	54%	25 - 120	11E2121	NUE1229-03	05/14/11 16:04
phenanthrene	0.0440	1.25		mg/kg dry	1.87	65%	37 - 120	11E2121	NUE1229-03	05/14/11 16:04
pyrene	0.0847	1.40		mg/kg dry	1.87	71%	29 - 125	11E2121	NUE1229-03	05/14/11 16:04
1-Methylnaphthalene	ND	0.954		mg/kg dry	1.87	51%	19 - 120	11E2121	NUE1229-03	05/14/11 16:04
2-Methylnaphthalene	ND	1.07		mg/kg dry	1.87	57%	11 - 120	11E2121	NUE1229-03	05/14/11 16:04
Surrogate: Terphenyl-d14		36.8		ug/mL	50.0	74%	18 - 120	11E2121	NUE1229-03	05/14/11 16:04
Surrogate: 2-Fluorobiphenyl		25.1		ug/mL	50.0	50%	14 - 120	11E2121	NUE1229-03	05/14/11 16:04
Surrogate: Nitrobenzene-d5		23.3		ug/mL	50.0	47%	17 - 120	11E2121	NUE1229-03	05/14/11 16:04

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
olatile Organic Compounds by EPA Method 8260B												
1E2166-MSD1												
benzene	0.00243	0.0803		mg/kg dry	0.0664	117%	42 - 141	0.1	50	11E2166	NUE1252-04	05/12/11 20:20
ethylbenzene	0.109	0.522	M1	mg/kg dry	0.0664	622%	21 - 165	35	50	11E2166	NUE1252-04	05/12/11 20:20
naphthalene	0.270	1.54	M1	mg/kg dry	0.0664	1910%	10 - 160	13	50	11E2166	NUE1252-04	05/12/11 20:20
toluene	0.00479	0.109	M1	mg/kg dry	0.0664	156%	45 - 145	7	50	11E2166	NUE1252-04	05/12/11 20:20
xylenes, total	0.458	1.92	M1	mg/kg dry	0.199	735%	31 - 159	29	50	11E2166	NUE1252-04	05/12/11 20:20
surrogate: 1,2-Dichloroethane-d4		44.9		ug/kg	50.0	90%	67 - 138			11E2166	NUE1252-04	05/12/11 20:20
surrogate: Dibromofluoromethane		53.5		ug/kg	50.0	107%	75 - 125			11E2166	NUE1252-04	05/12/11 20:20
surrogate: Toluene-d8		66.0	ZX	ug/kg	50.0	132%	76 - 129			11E2166	NUE1252-04	05/12/11 20:20
surrogate: 4-Bromofluorobenzene		42.7		ug/kg	50.0	85%	67 - 147			11E2166	NUE1252-04	05/12/11 20:20
1E3547-MSD1												
benzene	ND	2.32		mg/kg dry	2.19	106%	42 - 141	16	50	11E3547	NUE1252-03R E1	05/14/11 10:12
ethylbenzene	1.43	3.65		mg/kg dry	2.19	101%	21 - 165	33	50	11E3547	NUE1252-03R E1	05/14/11 10:12
naphthalene	6.72	8.37		mg/kg dry	2.19	75%	10 - 160	23	50	11E3547	NUE1252-03R E1	05/14/11 10:12
toluene	0.0588	2.43		mg/kg dry	2.19	108%	45 - 145	27	50	11E3547	NUE1252-03R E1	05/14/11 10:12
xylenes, total	6.39	12.8		mg/kg dry	6.58	97%	31 - 159	34	50	11E3547	NUE1252-03R E1	05/14/11 10:12
surrogate: 1,2-Dichloroethane-d4		38.2		ug/kg	50.0	76%	67 - 138			11E3547	NUE1252-03R E1	05/14/11 10:12
surrogate: Dibromofluoromethane		46.6		ug/kg	50.0	93%	75 - 125			11E3547	NUE1252-03R E1	05/14/11 10:12
surrogate: Toluene-d8		49.1		ug/kg	50.0	98%	76 - 129			11E3547	NUE1252-03R E1	05/14/11 10:12
surrogate: 4-Bromofluorobenzene		52.8		ug/kg	50.0	106%	67 - 147			11E3547	NUE1252-03R E1	05/14/11 10:12
Polycyclic Aromatic Hydrocarbons by EPA 8270D												
1E2121-MSD1												
Acenaphthene	ND	1.18		mg/kg dry	1.85	64%	42 - 120	7	40	11E2121	NUE1229-03	05/14/11 16:30
Acenaphthylene	ND	1.00		mg/kg dry	1.85	54%	32 - 120	5	30	11E2121	NUE1229-03	05/14/11 16:30
Anthracene	ND	1.36		mg/kg dry	1.85	73%	10 - 200	8	50	11E2121	NUE1229-03	05/14/11 16:30
Benzo (a) anthracene	0.0403	1.35		mg/kg dry	1.85	70%	41 - 120	12	30	11E2121	NUE1229-03	05/14/11 16:30
Benzo (a) pyrene	ND	1.33		mg/kg dry	1.85	72%	33 - 121	12	33	11E2121	NUE1229-03	05/14/11 16:30
Benzo (b) fluoranthene	ND	1.38		mg/kg dry	1.85	75%	26 - 137	11	42	11E2121	NUE1229-03	05/14/11 16:30
Benzo (g,h,i) perylene	ND	1.34		mg/kg dry	1.85	73%	21 - 124	16	32	11E2121	NUE1229-03	05/14/11 16:30
Benzo (k) fluoranthene	ND	1.28		mg/kg dry	1.85	69%	14 - 140	13	39	11E2121	NUE1229-03	05/14/11 16:30
Benzofluoranthene	0.0407	1.28		mg/kg dry	1.85	67%	28 - 123	11	34	11E2121	NUE1229-03	05/14/11 16:30
Dibenz (a,h) anthracene	ND	1.38		mg/kg dry	1.85	75%	25 - 127	15	31	11E2121	NUE1229-03	05/14/11 16:30
Fluoranthene	0.0843	1.36		mg/kg dry	1.85	69%	38 - 120	3	35	11E2121	NUE1229-03	05/14/11 16:30
Fluorene	ND	1.30		mg/kg dry	1.85	70%	41 - 120	8	37	11E2121	NUE1229-03	05/14/11 16:30
Indeno (1,2,3-cd) pyrene	ND	1.37		mg/kg dry	1.85	74%	25 - 123	15	32	11E2121	NUE1229-03	05/14/11 16:30

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polycyclic Aromatic Hydrocarbons by EPA 8270D												
1E2121-MSD1												
Naphthalene	ND	1.05		mg/kg dry	1.85	57%	25 - 120	4	42	11E2121	NUE1229-03	05/14/11 16:30
Phenanthrene	0.0440	1.36		mg/kg dry	1.85	71%	37 - 120	9	32	11E2121	NUE1229-03	05/14/11 16:30
Pyrene	0.0847	1.52		mg/kg dry	1.85	77%	29 - 125	8	40	11E2121	NUE1229-03	05/14/11 16:30
1-Methylnaphthalene	ND	0.988		mg/kg dry	1.85	53%	19 - 120	3	45	11E2121	NUE1229-03	05/14/11 16:30
2-Methylnaphthalene	ND	1.09		mg/kg dry	1.85	59%	11 - 120	2	50	11E2121	NUE1229-03	05/14/11 16:30
Surrogate: Terphenyl-d14		41.6		ug/mL	50.0	83%	18 - 120			11E2121	NUE1229-03	05/14/11 16:30
Surrogate: 2-Fluorobiphenyl		26.3		ug/mL	50.0	53%	14 - 120			11E2121	NUE1229-03	05/14/11 16:30
Surrogate: Nitrobenzene-d5		24.4		ug/mL	50.0	49%	17 - 120			11E2121	NUE1229-03	05/14/11 16:30

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

CERTIFICATION SUMMARY

TestAmerica Nashville

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

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

Work Order: NUE1252
Project Name: Laurel Bay Housing Project
Project Number: 1027
Received: 05/07/11 09:15

DATA QUALIFIERS AND DEFINITIONS

J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL).
Concentrations within this range are estimated.

M1 The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

ZX Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

NUE1252

05/23/11 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

Project Manager: Tom McElwee email: mcelwee@eeq-inc.net

Telephone Number: 843.412.2097

Sampler Name: (Print) Pratt SkewSampler Signature: APJFax No. (843) 879-0401

Site State: SC

PO#: 1027

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Gals	Composite	Field Filtered	Ice	Preservative					Matrix					Analyze For:										RUSH TAT (Pre-Schedule)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
								HNO ₃ (Red Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Special Instructions:

Laboratory Comments:

Temperature Upon Receipt: 0.0°C
VOCs Free of Headspace? Y

Relinquished by	Date	Time	Method of Shipment:		Date	Time
			Received by:	FEDEX		
<u>APJ</u>	<u>5/6/11</u>	<u>0900</u>	<u>FEDEX</u>			
Relinquished by:	Date	Time	Received by TestAmerica:		Date	Time

ATTACHMENT A



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.		Manifest Doc No.		2. Page 1 of 1			
3. Generator's Mailing Address: MCAS, BEAUFORT LAUREL BAY HOUSING BEAUFORT, SC 29907				Generator's Site Address (if different than mailing):		A. Manifest Number WMNA 00316812			
4. Generator's Phone 843-228-6461						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 2621 LOW COUNTRY ROAD RIDGELAND, SC 29936				10. US EPA ID Number		G. State Facility ID			
						H. State Facility Phone 843-987-4643			
11. Description of Waste Materials				12. Containers		13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments	
				No.	Type				
a. HEATING OIL TANKS FILLED WITH SAND WM Profile # 102655SC					254	6.33			
b. WM Profile #									
c. WM Profile #									
d. WM Profile #									
J. Additional Descriptions for Materials Listed Above				K. Disposal Location					
				Cell		Level			
				Grid					
15. Special Handling Instructions and Additional Information YST's from: 2) 1416 Albatross 4) 1405 Eagle 1435 Dove 3) 1421 Albatross									
Purchase Order #				EMERGENCY CONTACT / PHONE NO.:					
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by 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 Name Charles Herron				Signature "On behalf of" Charles H. Herron			Month 5	Day 11	Year 11
17. Transporter 1 Acknowledgement of Receipt of Materials									
Printed Name James Baldwin				Signature James Baldwin			Month 5	Day 12	Year 11
18. Transporter 2 Acknowledgement of Receipt of Materials									
Printed Name				Signature			Month	Day	Year
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.									
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.									
Printed Name Tom Coxfield				Signature Tom Coxfield			Month 5	Day 12	Year 11

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Pink- FACILITY USE ONLY

Blue- GENERATOR #2 COPY

Gold- TRANSPORTER #1 COPY

Yellow- GENERATOR #1 COPY

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

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

1435 Dove Lane, Laurel Bay Military Housing Area
 Street Address or State Road (as applicable)

Beaufort, Beaufort
 City County

Attachment 2

III. INSURANCE INFORMATION

Insurance Statement

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

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

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

My policy provider is: _____

The policy deductible is: _____

The policy limit is: _____

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

IV. REQUEST FOR SUPERB FUNDING

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

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

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

Name (Type or print.)

Signature

To be completed by Notary Public:

Sworn before me this _____ day of _____, 20____

(Name)

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

VI. UST INFORMATION

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

1435-2Dove				
Heating oil				
280 gal				
Late 1950s				
Steel				
Mid 1980s				
6'				
No				
No				
Removed				
4/9/2013				
Yes				
Yes				

- M. Method of disposal for any USTs removed from the ground (attach disposal manifests)
UST 1435-2Dove was removed from the ground, cleaned and recycled.
See Attachment "A."

- N. Method of disposal for any liquid petroleum, sludges, or wastewaters removed from the USTs (attach disposal manifests)
Contaminated water was pumped from UST 1435-2Dove and disposed
by MCAS.

- 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).....

B. Distance from UST to Dispenser.....

C. Number of Dispensers.....

D. Type of System Pressure or Suction.....

E. Was Piping Removed from the Ground? Y/N

F. Visible Corrosion or Pitting Y/N.....

G. Visible Holes Y/N.....

H. Age.....

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

1435-2Dove				
Steel & Copper				
N/A				
N/A				
Suction				
No				
Yes				
No				
Late 1950s				

Corrosion and pitting were found on the surface of the steel vent pipe. Copper supply and return lines were sound.

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.

UST 1435-2Dove is the second tank removed from this residence.

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? 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 84009

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected by	OVA #
1435-2 Dove	Excav at fill end	Soil	Sandy	6'	4/9/13 1530 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.

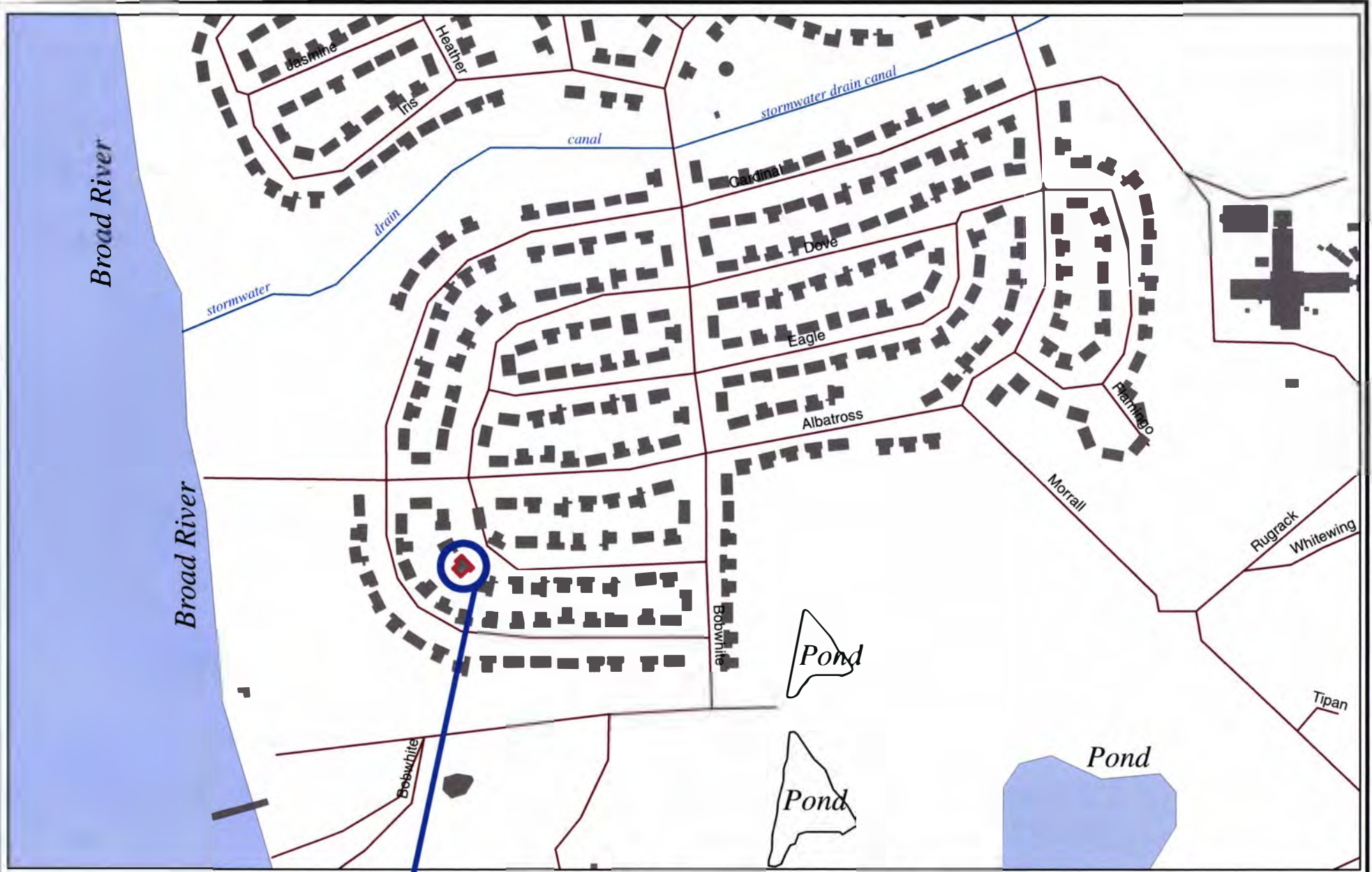
XII. RECEPTORS

	Yes	No
A. Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? *Broad River 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, water, electricity, cable, fiber optic & geothermal 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)



1435 DOVE

0 100 200 400 600 800 1,000
 Feet

SBG-EEG, Inc.

7301 Rivers Ave., Suite 245
 N. Charleston SC 29406-9643

Ph. (843) 573-7140

Drawn By: L. DiAsio

Dwg Date: May 2013

FIGURE 1: LOCATION MAP
1435 DOVE LANE
LAUREL BAY, BEAUFORT SC



BROAD R. $\approx$ 820'



1435 DOVE LANE
LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SC



UST 1435-2DOVE

TANK DEPTH BELOW GRADE
1435-2DOVE = 36"

GRAPHIC SCALE

0 5' 10' 20'

SBG-EEG

7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406
(843) 573-7140

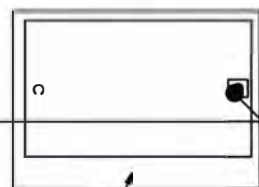
FIGURE 2 SITE MAP
1435 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2013



*EXCAVATION

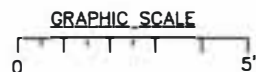


FILL END

UST 1435-2DOVE
280 GAL.

SOIL SAMPLE
1435-2 DOVE

BROAD R. $\approx$ 820'



*A PORTION OF THE PORCH WAS
REMOVED TO FACILITATE TANK
EXTRACTION.

SBG-EEG

7301 RIVERS AVE., SUITE 245
N. CHARLESTON SC 29406
(843) 573-7140

FIGURE 3 UST SAMPLE LOCATIONS
1435 DOVE LANE, LAUREL BAY
MCAS BEAUFORT SC

SCALE: GRAPHIC

DWG DATE MAY 2013



Picture 1: Location of UST 1435-2Dove.



Picture 2: UST 1435-2Dove excavation.

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 1435-2Dove							
Benzene	0.0222 mg/kg							
Toluene	0.0190 mg/kg							
Ethylbenzene	3.21 mg/kg							
Xylenes	8.51 mg/kg							
Naphthalene	23.8 mg/kg							
Benzo (a) anthracene	ND							
Benzo (b) fluoranthene	ND							
Benzo (k) fluoranthene	ND							
Chrysene	0.0586 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

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

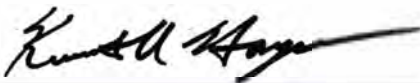
TestAmerica Job ID: 490-24495-1

Client Project/Site: Laurel Bay Housing Project

For:

Environmental Enterprise Group
10179 Highway 78
Ladson, South Carolina 29456

Attn: Mr. Tom McElwee



Authorized for release by:
4/30/2013 11:49:21 AM

Ken Hayes
Project Manager I
ken.hayes@testamericainc.com

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LINKS

Review your project
results through
TotalAccess

Have a Question?

**Ask
The
Expert**

Visit us at:
www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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QC Sample Results	14
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Receipt Checklists	30



Sample Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-24495-1	1433 Dove	Solid	04/08/13 15:30	04/17/13 08:30
490-24495-2	1435-2 Dove	Solid	04/09/13 15:30	04/17/13 08:30
490-24495-3	590 Aster	Solid	04/10/13 14:15	04/17/13 08:30
490-24495-4	642 Dahlia-2	Solid	04/11/13 14:15	04/17/13 08:30
490-24495-5	1422 Albatross	Solid	04/08/13 13:45	04/17/13 08:30
490-24495-6	1418 Albatross	Solid	04/09/13 15:30	04/17/13 08:30
490-24495-7	591 Aster	Solid	04/10/13 14:45	04/17/13 08:30
490-24495-8	434 Elderberry	Solid	04/11/13 11:45	04/17/13 08:30

TestAmerica Nashville

Case Narrative

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Job ID: 490-24495-1

Laboratory: TestAmerica Nashville

Narrative

Job Narrative
490-24495-1

Comments

No additional comments.

Receipt

The samples were received on 4/17/2013 8:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2° C.

GC/MS VOA

Method(s) 8260B: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample(s): 1418 Albatross (490-24495-6), 1433 Dove (490-24495-1), 1435-2 Dove (490-24495-2).

Method(s) 8260B: Surrogate recovery for the following sample(s) was outside control limits: 1433 Dove (490-24495-1), 1435-2 Dove (490-24495-2), 1418 Albatross (490-24495-6), SB-2-13 (0-2) (490-24512-6), SB-2-13 (0-2) (490-24512-6 MS), SB-2-13 (0-2) (490-24512-6 MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 74074.

No other analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.



Definitions/Glossary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 1433 Dove

Date Collected: 04/08/13 15:30

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-1

Matrix: Solid

Percent Solids: 77.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00231	0.000775	mg/Kg	☒	04/17/13 20:15	04/19/13 16:28	1
Ethylbenzene	0.177		0.00231	0.000775	mg/Kg	☒	04/17/13 20:15	04/19/13 16:28	1
Naphthalene	16.8		0.760	0.259	mg/Kg	☒	04/17/13 20:10	04/22/13 23:44	2
Toluene	0.00358		0.00231	0.000856	mg/Kg	☒	04/17/13 20:15	04/19/13 16:28	1
Xylenes, Total	0.605		0.00578	0.000775	mg/Kg	☒	04/17/13 20:15	04/19/13 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130	04/17/13 20:15	04/19/13 16:28	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 130	04/17/13 20:10	04/22/13 23:44	2
4-Bromofluorobenzene (Surr)	956	X	70 - 130	04/17/13 20:15	04/19/13 16:28	1
4-Bromofluorobenzene (Surr)	114		70 - 130	04/17/13 20:10	04/22/13 23:44	2
Dibromofluoromethane (Surr)	94		70 - 130	04/17/13 20:15	04/19/13 16:28	1
Dibromofluoromethane (Surr)	92		70 - 130	04/17/13 20:10	04/22/13 23:44	2
Toluene-d8 (Surr)	112		70 - 130	04/17/13 20:15	04/19/13 16:28	1
Toluene-d8 (Surr)	105		70 - 130	04/17/13 20:10	04/22/13 23:44	2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.182		0.0860	0.0128	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Acenaphthylene	0.147		0.0860	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Anthracene	0.165		0.0860	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Benzo[a]anthracene	0.0808	J	0.0860	0.0193	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Benzo[a]pyrene	ND		0.0860	0.0154	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Benzo[b]fluoranthene	0.0521	J	0.0860	0.0154	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Benzo[g,h,i]perylene	ND		0.0860	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Benzo[k]fluoranthene	ND		0.0860	0.0180	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
1-Methylnaphthalene	5.17		0.344	0.0719	mg/Kg	☒	04/18/13 12:55	04/19/13 18:06	4
Pyrene	0.280		0.0860	0.0154	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Phenanthrene	1.41		0.0860	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Chrysene	0.0769	J	0.0860	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Dibenz(a,h)anthracene	ND		0.0860	0.00899	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Fluoranthene	0.257		0.0860	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Fluorene	0.841		0.0860	0.0154	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Indeno[1,2,3-cd]pyrene	ND		0.0860	0.0128	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
Naphthalene	1.47		0.0860	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 20:17	1
2-Methylnaphthalene	7.93		0.344	0.0822	mg/Kg	☒	04/18/13 12:55	04/19/13 18:06	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		29 - 120	04/18/13 12:55	04/18/13 20:17	1
Terphenyl-d14 (Surr)	77		13 - 120	04/18/13 12:55	04/18/13 20:17	1
Nitrobenzene-d5 (Surr)	59		27 - 120	04/18/13 12:55	04/18/13 20:17	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	78		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 1435-2 Dove

Date Collected: 04/09/13 15:30

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-2

Matrix: Solid

Percent Solids: 80.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0222		0.00214	0.000717	mg/Kg	✖	04/17/13 20:15	04/19/13 16:55	1
Ethylbenzene	3.21		0.138	0.0470	mg/Kg	✖	04/17/13 20:10	04/22/13 17:25	1
Naphthalene	23.8		6.91	2.35	mg/Kg	✖	04/17/13 20:10	04/22/13 17:52	20
Toluene	0.0190		0.00214	0.000792	mg/Kg	✖	04/17/13 20:15	04/19/13 16:55	1
Xylenes, Total	8.51		0.346	0.0470	mg/Kg	✖	04/17/13 20:10	04/22/13 17:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	04/17/13 20:15	04/19/13 16:55	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130	04/17/13 20:10	04/22/13 17:25	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 130	04/17/13 20:10	04/22/13 17:52	20
4-Bromofluorobenzene (Surr)	1302	X	70 - 130	04/17/13 20:15	04/19/13 16:55	1
4-Bromofluorobenzene (Surr)	122		70 - 130	04/17/13 20:10	04/22/13 17:25	1
4-Bromofluorobenzene (Surr)	107		70 - 130	04/17/13 20:10	04/22/13 17:52	20
Dibromofluoromethane (Surr)	93		70 - 130	04/17/13 20:15	04/19/13 16:55	1
Dibromofluoromethane (Surr)	95		70 - 130	04/17/13 20:10	04/22/13 17:25	1
Dibromofluoromethane (Surr)	96		70 - 130	04/17/13 20:10	04/22/13 17:52	20
Toluene-d8 (Surr)	118		70 - 130	04/17/13 20:15	04/19/13 16:55	1
Toluene-d8 (Surr)	108		70 - 130	04/17/13 20:10	04/22/13 17:25	1
Toluene-d8 (Surr)	110		70 - 130	04/17/13 20:10	04/22/13 17:52	20

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.221		0.0828	0.0124	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Acenaphthylene	0.142		0.0828	0.0111	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Anthracene	0.115		0.0828	0.0111	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Benzo[a]anthracene	ND		0.0828	0.0185	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Benzo[a]pyrene	ND		0.0828	0.0148	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Benzo[b]fluoranthene	ND		0.0828	0.0148	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Benzo[g,h,i]perylene	ND		0.0828	0.0111	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Benzo[k]fluoranthene	ND		0.0828	0.0173	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
1-Methylnaphthalene	4.12		0.0828	0.0173	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Pyrene	0.125		0.0828	0.0148	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Phenanthrene	1.36		0.0828	0.0111	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Chrysene	0.0586	J	0.0828	0.0111	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Dibenz(a,h)anthracene	ND		0.0828	0.00865	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Fluoranthene	0.0584	J	0.0828	0.0111	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Fluorene	0.678		0.0828	0.0148	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Indeno[1,2,3-cd]pyrene	ND		0.0828	0.0124	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
Naphthalene	1.03		0.0828	0.0111	mg/Kg	✖	04/18/13 12:55	04/18/13 20:39	1
2-Methylnaphthalene	5.56		0.166	0.0395	mg/Kg	✖	04/18/13 12:55	04/19/13 18:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		29 - 120	04/18/13 12:55	04/18/13 20:39	1
Terphenyl-d14 (Surr)	92		13 - 120	04/18/13 12:55	04/18/13 20:39	1
Nitrobenzene-d5 (Surr)	68		27 - 120	04/18/13 12:55	04/18/13 20:39	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	80		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 590 Aster

Lab Sample ID: 490-24495-3

Date Collected: 04/10/13 14:15

Matrix: Solid

Date Received: 04/17/13 08:30

Percent Solids: 95.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00236	0.000790	mg/Kg	☒	04/17/13 20:15	04/22/13 16:04	1
Ethylbenzene	ND		0.00236	0.000790	mg/Kg	☒	04/17/13 20:15	04/22/13 16:04	1
Naphthalene	ND		0.00589	0.00200	mg/Kg	☒	04/17/13 20:15	04/22/13 16:04	1
Toluene	ND		0.00236	0.000872	mg/Kg	☒	04/17/13 20:15	04/22/13 16:04	1
Xylenes, Total	ND		0.00589	0.000790	mg/Kg	☒	04/17/13 20:15	04/22/13 16:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130	04/17/13 20:15	04/22/13 16:04	1
4-Bromofluorobenzene (Surr)	106		70 - 130	04/17/13 20:15	04/22/13 16:04	1
Dibromofluoromethane (Surr)	100		70 - 130	04/17/13 20:15	04/22/13 16:04	1
Toluene-d8 (Surr)	106		70 - 130	04/17/13 20:15	04/22/13 16:04	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0678	0.0101	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Acenaphthylene	ND		0.0678	0.00911	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Anthracene	ND		0.0678	0.00911	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Benzo[a]anthracene	ND		0.0678	0.0152	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Benzo[a]pyrene	ND		0.0678	0.0122	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Benzo[b]fluoranthene	ND		0.0678	0.0122	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Benzo[g,h,i]perylene	ND		0.0678	0.00911	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Benzo[k]fluoranthene	ND		0.0678	0.0142	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
1-Methylnaphthalene	ND		0.0678	0.0142	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Pyrene	ND		0.0678	0.0122	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Phenanthrene	ND		0.0678	0.00911	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Chrysene	ND		0.0678	0.00911	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Dibenz(a,h)anthracene	ND		0.0678	0.00709	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Fluoranthene	ND		0.0678	0.00911	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Fluorene	ND		0.0678	0.0122	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Indeno[1,2,3-cd]pyrene	ND		0.0678	0.0101	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
Naphthalene	ND		0.0678	0.00911	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1
2-Methylnaphthalene	ND		0.0678	0.0162	mg/Kg	☒	04/18/13 12:55	04/18/13 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	52		29 - 120	04/18/13 12:55	04/18/13 21:02	1
Terphenyl d14 (Surr)	73		13 - 120	04/18/13 12:55	04/18/13 21:02	1
Nitrobenzene-d5 (Surr)	48		27 - 120	04/18/13 12:55	04/18/13 21:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 642 Dahlia-2

Lab Sample ID: 490-24495-4

Date Collected: 04/11/13 14:15

Matrix: Solid

Date Received: 04/17/13 08:30

Percent Solids: 79.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00211	0.000707	mg/Kg	☒	04/17/13 20:15	04/19/13 17:49	1
Ethylbenzene	ND		0.00211	0.000707	mg/Kg	☒	04/17/13 20:15	04/19/13 17:49	1
Naphthalene	ND		0.00527	0.00179	mg/Kg	☒	04/17/13 20:15	04/19/13 17:49	1
Toluene	ND		0.00211	0.000780	mg/Kg	☒	04/17/13 20:15	04/19/13 17:49	1
Xylenes, Total	ND		0.00527	0.000707	mg/Kg	☒	04/17/13 20:15	04/19/13 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130	04/17/13 20:15	04/19/13 17:49	1
4-Bromofluorobenzene (Surr)	113		70 - 130	04/17/13 20:15	04/19/13 17:49	1
Dibromofluoromethane (Surr)	94		70 - 130	04/17/13 20:15	04/19/13 17:49	1
Toluene-d8 (Surr)	108		70 - 130	04/17/13 20:15	04/19/13 17:49	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0833	0.0124	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Acenaphthylene	ND		0.0833	0.0112	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Anthracene	ND		0.0833	0.0112	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Benzo[a]anthracene	ND		0.0833	0.0186	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Benzo[a]pyrene	ND		0.0833	0.0149	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Benzo[b]fluoranthene	ND		0.0833	0.0149	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Benzo[g,h,i]perylene	ND		0.0833	0.0112	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Benzo[k]fluoranthene	ND		0.0833	0.0174	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
1-Methylnaphthalene	ND		0.0833	0.0174	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Pyrene	ND		0.0833	0.0149	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Phenanthrene	ND		0.0833	0.0112	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Chrysene	ND		0.0833	0.0112	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Dibenz(a,h)anthracene	ND		0.0833	0.00870	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Fluoranthene	ND		0.0833	0.0112	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Fluorene	ND		0.0833	0.0149	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Indeno[1,2,3-cd]pyrene	ND		0.0833	0.0124	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
Naphthalene	ND		0.0833	0.0112	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1
2-Methylnaphthalene	ND		0.0833	0.0199	mg/Kg	☒	04/18/13 12:55	04/18/13 21:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		29 - 120	04/18/13 12:55	04/18/13 21:24	1
Terphenyl-d14 (Surr)	94		13 - 120	04/18/13 12:55	04/18/13 21:24	1
Nitrobenzene-d5 (Surr)	66		27 - 120	04/18/13 12:55	04/18/13 21:24	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	79		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 1422 Albatross

Date Collected: 04/08/13 13:45

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-5

Matrix: Solid

Percent Solids: 76.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00213	0.000714	mg/Kg	☒	04/17/13 20:15	04/19/13 18:16	1
Ethylbenzene	ND		0.00213	0.000714	mg/Kg	☒	04/17/13 20:15	04/19/13 18:16	1
Naphthalene	ND		0.00533	0.00181	mg/Kg	☒	04/17/13 20:15	04/19/13 18:16	1
Toluene	ND		0.00213	0.000789	mg/Kg	☒	04/17/13 20:15	04/19/13 18:16	1
Xylenes, Total	ND		0.00533	0.000714	mg/Kg	☒	04/17/13 20:15	04/19/13 18:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		70 - 130	04/17/13 20:15	04/19/13 18:16	1
4-Bromofluorobenzene (Surr)	113		70 - 130	04/17/13 20:15	04/19/13 18:16	1
Dibromofluoromethane (Surr)	94		70 - 130	04/17/13 20:15	04/19/13 18:16	1
Toluene-d8 (Surr)	108		70 - 130	04/17/13 20:15	04/19/13 18:16	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0867	0.0129	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Acenaphthylene	ND		0.0867	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Anthracene	ND		0.0867	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Benzo[a]anthracene	ND		0.0867	0.0194	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Benzo[a]pyrene	ND		0.0867	0.0155	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Benzo[b]fluoranthene	ND		0.0867	0.0155	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Benzo[g,h,i]perylene	ND		0.0867	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Benzo[k]fluoranthene	ND		0.0867	0.0181	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
1-Methylnaphthalene	ND		0.0867	0.0181	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Pyrene	ND		0.0867	0.0155	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Phenanthrene	ND		0.0867	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Chrysene	ND		0.0867	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Dibenz(a,h)anthracene	ND		0.0867	0.00906	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Fluoranthene	ND		0.0867	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Fluorene	ND		0.0867	0.0155	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Indeno[1,2,3-cd]pyrene	ND		0.0867	0.0129	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
Naphthalene	ND		0.0867	0.0116	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1
2-Methylnaphthalene	ND		0.0867	0.0207	mg/Kg	☒	04/18/13 12:55	04/18/13 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		29 - 120	04/18/13 12:55	04/18/13 21:46	1
Terphenyl-d14 (Surr)	77		13 - 120	04/18/13 12:55	04/18/13 21:46	1
Nitrobenzene-d5 (Surr)	57		27 - 120	04/18/13 12:55	04/18/13 21:46	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	76		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 1418 Albatross

Lab Sample ID: 490-24495-6

Date Collected: 04/09/13 15:30

Matrix: Solid

Date Received: 04/17/13 08:30

Percent Solids: 77.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00293		0.00215	0.000720	mg/Kg	☒	04/17/13 20:15	04/19/13 18:43	1
Ethylbenzene	0.975		0.136	0.0462	mg/Kg	☒	04/17/13 20:10	04/22/13 18:19	1
Naphthalene	5.81		0.340	0.116	mg/Kg	☒	04/17/13 20:10	04/22/13 18:19	1
Toluene	0.00736		0.00215	0.000795	mg/Kg	☒	04/17/13 20:15	04/19/13 18:43	1
Xylenes, Total	4.14		0.340	0.0462	mg/Kg	☒	04/17/13 20:10	04/22/13 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 130	04/17/13 20:15	04/19/13 18:43	1
1,2-Dichloroethane-d4 (Surr)	93		70 - 130	04/17/13 20:10	04/22/13 18:19	1
4-Bromofluorobenzene (Surr)	804	X	70 - 130	04/17/13 20:15	04/19/13 18:43	1
4-Bromofluorobenzene (Surr)	113		70 - 130	04/17/13 20:10	04/22/13 18:19	1
Dibromofluoromethane (Surr)	94		70 - 130	04/17/13 20:15	04/19/13 18:43	1
Dibromofluoromethane (Surr)	93		70 - 130	04/17/13 20:10	04/22/13 18:19	1
Toluene-d8 (Surr)	111		70 - 130	04/17/13 20:15	04/19/13 18:43	1
Toluene-d8 (Surr)	104		70 - 130	04/17/13 20:10	04/22/13 18:19	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.225		0.0852	0.0127	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Acenaphthylene	0.144		0.0852	0.0114	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Anthracene	0.342		0.0852	0.0114	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Benzo[a]anthracene	0.870		0.0852	0.0191	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Benzo[a]pyrene	0.334		0.0852	0.0153	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Benzo[b]fluoranthene	0.571		0.0852	0.0153	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Benzo[g,h,i]perylene	0.103		0.0852	0.0114	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Benzo[k]fluoranthene	0.230		0.0852	0.0178	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
1-Methylnaphthalene	3.88		0.0852	0.0178	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Pyrene	2.07		0.0852	0.0153	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Phenanthrene	2.73		0.0852	0.0114	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Chrysene	0.745		0.0852	0.0114	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Dibenz(a,h)anthracene	ND		0.0852	0.00890	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Fluoranthene	2.19		0.0852	0.0114	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Fluorene	0.735		0.0852	0.0153	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Indeno[1,2,3-cd]pyrene	0.0905		0.0852	0.0127	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
Naphthalene	0.998		0.0852	0.0114	mg/Kg	☒	04/18/13 12:55	04/18/13 22:08	1
2-Methylnaphthalene	5.50		0.170	0.0407	mg/Kg	☒	04/18/13 12:55	04/19/13 18:50	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	63		29 - 120	04/18/13 12:55	04/18/13 22:08	1
Terphenyl-d14 (Surr)	93		13 - 120	04/18/13 12:55	04/18/13 22:08	1
Nitrobenzene-d5 (Surr)	62		27 - 120	04/18/13 12:55	04/18/13 22:08	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	77		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 591 Aster

Date Collected: 04/10/13 14:45

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-7

Matrix: Solid

Percent Solids: 96.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00222	0.000745	mg/Kg	☒	04/17/13 20:15	04/22/13 16:31	1
Ethylbenzene	ND		0.00222	0.000745	mg/Kg	☒	04/17/13 20:15	04/22/13 16:31	1
Naphthalene	ND		0.00556	0.00189	mg/Kg	☒	04/17/13 20:15	04/22/13 16:31	1
Toluene	ND		0.00222	0.000823	mg/Kg	☒	04/17/13 20:15	04/22/13 16:31	1
Xylenes, Total	ND		0.00556	0.000745	mg/Kg	☒	04/17/13 20:15	04/22/13 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130	04/17/13 20:15	04/22/13 16:31	1
4-Bromofluorobenzene (Surr)	105		70 - 130	04/17/13 20:15	04/22/13 16:31	1
Dibromofluoromethane (Surr)	97		70 - 130	04/17/13 20:15	04/22/13 16:31	1
Toluene-d8 (Surr)	106		70 - 130	04/17/13 20:15	04/22/13 16:31	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0692	0.0103	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Acenaphthylene	ND		0.0692	0.00929	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Anthracene	ND		0.0692	0.00929	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Benzo[a]anthracene	ND		0.0692	0.0155	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Benzo[a]pyrene	ND		0.0692	0.0124	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Benzo[b]fluoranthene	ND		0.0692	0.0124	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Benzo[g,h,i]perylene	ND		0.0692	0.00929	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Benzo[k]fluoranthene	ND		0.0692	0.0145	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
1-Methylnaphthalene	ND		0.0692	0.0145	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Pyrene	ND		0.0692	0.0124	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Phenanthrene	ND		0.0692	0.00929	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Chrysene	ND		0.0692	0.00929	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Dibenz(a,h)anthracene	ND		0.0692	0.00723	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Fluoranthene	ND		0.0692	0.00929	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Fluorene	ND		0.0692	0.0124	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Indeno[1,2,3-cd]pyrene	ND		0.0692	0.0103	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
Naphthalene	ND		0.0692	0.00929	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1
2-Methylnaphthalene	ND		0.0692	0.0165	mg/Kg	☒	04/18/13 12:55	04/18/13 22:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	66		29 - 120	04/18/13 12:55	04/18/13 22:30	1
Terphenyl-d14 (Surr)	83		13 - 120	04/18/13 12:55	04/18/13 22:30	1
Nitrobenzene-d5 (Surr)	65		27 - 120	04/18/13 12:55	04/18/13 22:30	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	97		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

Client Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 434 Elderberry

Lab Sample ID: 490-24495-8

Date Collected: 04/11/13 11:45

Matrix: Solid

Date Received: 04/17/13 08:30

Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00242	0.000811	mg/Kg	✱	04/17/13 20:15	04/19/13 19:37	1
Ethylbenzene	ND		0.00242	0.000811	mg/Kg	✱	04/17/13 20:15	04/19/13 19:37	1
Naphthalene	ND		0.00605	0.00206	mg/Kg	✱	04/17/13 20:15	04/19/13 19:37	1
Toluene	ND		0.00242	0.000896	mg/Kg	✱	04/17/13 20:15	04/19/13 19:37	1
Xylenes, Total	ND		0.00605	0.000811	mg/Kg	✱	04/17/13 20:15	04/19/13 19:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		70 - 130	04/17/13 20:15	04/19/13 19:37	1
4-Bromofluorobenzene (Surr)	111		70 - 130	04/17/13 20:15	04/19/13 19:37	1
Dibromofluoromethane (Surr)	93		70 - 130	04/17/13 20:15	04/19/13 19:37	1
Toluene-d8 (Surr)	107		70 - 130	04/17/13 20:15	04/19/13 19:37	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0824	0.0123	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Acenaphthylene	ND		0.0824	0.0111	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Anthracene	ND		0.0824	0.0111	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Benzo[a]anthracene	ND		0.0824	0.0185	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Benzo[a]pyrene	ND		0.0824	0.0148	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Benzo[b]fluoranthene	ND		0.0824	0.0148	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Benzo[g,h,i]perylene	ND		0.0824	0.0111	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Benzo[k]fluoranthene	ND		0.0824	0.0172	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
1-Methylnaphthalene	ND		0.0824	0.0172	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Pyrene	ND		0.0824	0.0148	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Phenanthrene	ND		0.0824	0.0111	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Chrysene	ND		0.0824	0.0111	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Dibenz(a,h)anthracene	ND		0.0824	0.00861	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Fluoranthene	ND		0.0824	0.0111	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Fluorene	ND		0.0824	0.0148	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Indeno[1,2,3-cd]pyrene	ND		0.0824	0.0123	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
Naphthalene	ND		0.0824	0.0111	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1
2-Methylnaphthalene	ND		0.0824	0.0197	mg/Kg	✱	04/18/13 12:55	04/18/13 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		29 - 120	04/18/13 12:55	04/18/13 22:52	1
Terphenyl-d14 (Surr)	99		13 - 120	04/18/13 12:55	04/18/13 22:52	1
Nitrobenzene-d5 (Surr)	63		27 - 120	04/18/13 12:55	04/18/13 22:52	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	81		0.10	0.10	%			04/18/13 11:20	1

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-24512-C-6-B MS

Matrix: Solid

Analysis Batch: 73618

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73519

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00110	J	0.0539	0.03448		mg/Kg	☒	62	31 - 143
Ethylbenzene	ND		0.0539	0.01888		mg/Kg	☒	35	23 - 161
Naphthalene	ND		0.0539	0.005860		mg/Kg	☒	11	10 - 176
Toluene	0.000864	J	0.0539	0.02707		mg/Kg	☒	49	30 - 155
Xylenes, Total	0.000843	J	0.162	0.05274		mg/Kg	☒	32	25 - 162

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	198	X	70 - 130
Dibromofluoromethane (Surr)	96		70 - 130
Toluene-d8 (Surr)	110		70 - 130

Lab Sample ID: 490-24512-C-6-C MSD

Matrix: Solid

Analysis Batch: 73618

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73519

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00110	J	0.0518	0.04027		mg/Kg	☒	76	31 - 143	15	50
Ethylbenzene	ND		0.0518	0.02704		mg/Kg	☒	52	23 - 161	36	50
Naphthalene	ND		0.0518	0.009543		mg/Kg	☒	18	10 - 176	48	50
Toluene	0.000864	J	0.0518	0.03447		mg/Kg	☒	65	30 - 155	24	50
Xylenes, Total	0.000843	J	0.155	0.07682		mg/Kg	☒	49	25 - 162	37	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		70 - 130
4-Bromofluorobenzene (Surr)	132	X	70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
Toluene-d8 (Surr)	109		70 - 130

Lab Sample ID: MB 490-73618/7

Matrix: Solid

Analysis Batch: 73618

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			04/19/13 12:45	†
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			04/19/13 12:45	†
Naphthalene	ND		0.00500	0.00170	mg/Kg			04/19/13 12:45	†
Toluene	ND		0.00200	0.000740	mg/Kg			04/19/13 12:45	†
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			04/19/13 12:45	†

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		70 - 130		04/19/13 12:45	†
4-Bromofluorobenzene (Surr)	107		70 - 130		04/19/13 12:45	†
Dibromofluoromethane (Surr)	97		70 - 130		04/19/13 12:45	†
Toluene-d8 (Surr)	106		70 - 130		04/19/13 12:45	†

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-73618/3

Matrix: Solid

Analysis Batch: 73618

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05508		mg/Kg		110	75 - 127
Ethylbenzene	0.0500	0.05505		mg/Kg		110	80 - 134
Naphthalene	0.0500	0.06555		mg/Kg		131	69 - 150
Toluene	0.0500	0.05675		mg/Kg		113	80 - 132
Xylenes, Total	0.150	0.1661		mg/Kg		111	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	99		70 - 130
4-Bromofluorobenzene (Surr)	108		70 - 130
Dibromofluoromethane (Surr)	99		70 - 130
Toluene-d8 (Surr)	107		70 - 130

Lab Sample ID: LCSD 490-73618/4

Matrix: Solid

Analysis Batch: 73618

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05389		mg/Kg		108	75 - 127	2	50
Ethylbenzene	0.0500	0.05412		mg/Kg		108	80 - 134	2	50
Naphthalene	0.0500	0.06231		mg/Kg		125	69 - 150	5	50
Toluene	0.0500	0.05611		mg/Kg		112	80 - 132	1	50
Xylenes, Total	0.150	0.1635		mg/Kg		109	80 - 137	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		70 - 130
4-Bromofluorobenzene (Surr)	109		70 - 130
Dibromofluoromethane (Surr)	98		70 - 130
Toluene-d8 (Surr)	108		70 - 130

Lab Sample ID: MB 490-74074/6

Matrix: Solid

Analysis Batch: 74074

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.100	0.0335	mg/Kg			04/22/13 14:05	1
Ethylbenzene	ND		0.100	0.0335	mg/Kg			04/22/13 14:05	1
Naphthalene	ND		0.250	0.0850	mg/Kg			04/22/13 14:05	1
Toluene	ND		0.100	0.0370	mg/Kg			04/22/13 14:05	1
Xylenes, Total	ND		0.250	0.0335	mg/Kg			04/22/13 14:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		70 - 130		04/22/13 14:05	1
4-Bromofluorobenzene (Surr)	102		70 - 130		04/22/13 14:05	1
Dibromofluoromethane (Surr)	98		70 - 130		04/22/13 14:05	1
Toluene-d8 (Surr)	104		70 - 130		04/22/13 14:05	1

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 490-74074/7

Matrix: Solid

Analysis Batch: 74074

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			04/22/13 14:32	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			04/22/13 14:32	1
Naphthalene	ND		0.00500	0.00170	mg/Kg			04/22/13 14:32	1
Toluene	ND		0.00200	0.000740	mg/Kg			04/22/13 14:32	1
Xylenes, Total	ND		0.00500	0.000670	mg/Kg			04/22/13 14:32	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		70 - 130		04/22/13 14:32	1
4-Bromofluorobenzene (Surr)	104		70 - 130		04/22/13 14:32	1
Dibromofluoromethane (Surr)	100		70 - 130		04/22/13 14:32	1
Toluene-d8 (Surr)	106		70 - 130		04/22/13 14:32	1

Lab Sample ID: LCS 490-74074/3

Matrix: Solid

Analysis Batch: 74074

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.05114		mg/Kg		102	75 - 127
Ethylbenzene	0.0500	0.05100		mg/Kg		102	80 - 134
Naphthalene	0.0500	0.05759		mg/Kg		115	69 - 150
Toluene	0.0500	0.05120		mg/Kg		102	80 - 132
Xylenes, Total	0.150	0.1566		mg/Kg		104	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	100		70 - 130
Toluene-d8 (Surr)	105		70 - 130

Lab Sample ID: LCSD 490-74074/4

Matrix: Solid

Analysis Batch: 74074

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.05255		mg/Kg		105	75 - 127	3	50
Ethylbenzene	0.0500	0.05238		mg/Kg		105	80 - 134	3	50
Naphthalene	0.0500	0.05937		mg/Kg		119	69 - 150	3	50
Toluene	0.0500	0.05273		mg/Kg		105	80 - 132	3	50
Xylenes, Total	0.150	0.1601		mg/Kg		107	80 - 137	2	50

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		70 - 130
4-Bromofluorobenzene (Surr)	103		70 - 130
Dibromofluoromethane (Surr)	102		70 - 130
Toluene-d8 (Surr)	105		70 - 130

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 490-73447/1-A

Matrix: Solid

Analysis Batch: 73484

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73447

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670	0.0100	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Acenaphthylene	ND		0.0670	0.00900	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Anthracene	ND		0.0670	0.00900	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Benzo[a]anthracene	ND		0.0670	0.0150	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Benzo[a]pyrene	ND		0.0670	0.0120	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Benzo[b]fluoranthene	ND		0.0670	0.0120	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Benzo[g,h,i]perylene	ND		0.0670	0.00900	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Benzo[k]fluoranthene	ND		0.0670	0.0140	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
1-Methylnaphthalene	ND		0.0670	0.0140	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Pyrene	ND		0.0670	0.0120	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Phenanthrene	ND		0.0670	0.00900	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Chrysene	ND		0.0670	0.00900	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Dibenz(a,h)anthracene	ND		0.0670	0.00700	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Fluoranthene	ND		0.0670	0.00900	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Fluorene	ND		0.0670	0.0120	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Indeno[1,2,3-cd]pyrene	ND		0.0670	0.0100	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
Naphthalene	ND		0.0670	0.00900	mg/Kg		04/18/13 12:55	04/18/13 16:35	1
2-Methylnaphthalene	ND		0.0670	0.0160	mg/Kg		04/18/13 12:55	04/18/13 16:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		29 - 120	04/18/13 12:55	04/18/13 16:35	1
Terphenyl-d14 (Surr)	87		13 - 120	04/18/13 12:55	04/18/13 16:35	1
Nitrobenzene-d5 (Surr)	66		27 - 120	04/18/13 12:55	04/18/13 16:35	1

Lab Sample ID: LCS 490-73447/2-A

Matrix: Solid

Analysis Batch: 73484

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73447

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthylene	1.67	1.263		mg/Kg		76	38 - 120
Anthracene	1.67	1.377		mg/Kg		83	46 - 124
Benzo[a]anthracene	1.67	1.317		mg/Kg		79	45 - 120
Benzo[a]pyrene	1.67	1.318		mg/Kg		79	45 - 120
Benzo[b]fluoranthene	1.67	1.301		mg/Kg		78	42 - 120
Benzo[g,h,i]perylene	1.67	1.313		mg/Kg		79	38 - 120
Benzo[k]fluoranthene	1.67	1.372		mg/Kg		82	42 - 120
1-Methylnaphthalene	1.67	1.330		mg/Kg		80	32 - 120
Pyrene	1.67	1.361		mg/Kg		82	43 - 120
Phenanthrene	1.67	1.389		mg/Kg		83	45 - 120
Chrysene	1.67	1.374		mg/Kg		82	43 - 120
Dibenz(a,h)anthracene	1.67	1.222		mg/Kg		73	32 - 128
Fluoranthene	1.67	1.346		mg/Kg		81	46 - 120
Fluorene	1.67	1.267		mg/Kg		76	42 - 120
Indeno[1,2,3-cd]pyrene	1.67	1.281		mg/Kg		77	41 - 121
Naphthalene	1.67	1.218		mg/Kg		73	32 - 120
2-Methylnaphthalene	1.67	1.402		mg/Kg		84	28 - 120

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-73447/2-A

Matrix: Solid

Analysis Batch: 73484

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 73447

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	66		29 - 120
Terphenyl-d14 (Surr)	84		13 - 120
Nitrobenzene-d5 (Surr)	67		27 - 120

Lab Sample ID: 490-24039-A-1-B MS

Matrix: Solid

Analysis Batch: 73484

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73447

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Acenaphthylene	ND		1.85	1.302		mg/Kg	☒	70	25 - 120	
Anthracene	0.0350	J	1.85	1.433		mg/Kg	☒	75	28 - 125	
Benzo[a]anthracene	0.125		1.85	1.436		mg/Kg	☒	71	23 - 120	
Benzo[a]pyrene	0.129		1.85	1.412		mg/Kg	☒	69	15 - 128	
Benzo[b]fluoranthene	0.161		1.85	1.486		mg/Kg	☒	72	12 - 133	
Benzo[g,h,i]perylene	0.0772		1.85	1.349		mg/Kg	☒	69	22 - 120	
Benzo[k]fluoranthene	0.0753		1.85	1.454		mg/Kg	☒	74	28 - 120	
1-Methylnaphthalene	ND		1.85	1.299		mg/Kg	☒	70	10 - 120	
Pyrene	0.230		1.85	1.667		mg/Kg	☒	78	20 - 123	
Phenanthrene	0.125		1.85	1.493		mg/Kg	☒	74	21 - 122	
Chrysene	0.132		1.85	1.478		mg/Kg	☒	73	20 - 120	
Dibenz(a,h)anthracene	ND		1.85	1.258		mg/Kg	☒	68	12 - 128	
Fluoranthene	0.232		1.85	1.426		mg/Kg	☒	64	10 - 143	
Fluorene	ND		1.85	1.321		mg/Kg	☒	71	20 - 120	
Indeno[1,2,3-cd]pyrene	0.0666	J	1.85	1.285		mg/Kg	☒	66	22 - 121	
Naphthalene	ND		1.85	1.116		mg/Kg	☒	60	10 - 120	
2-Methylnaphthalene	ND		1.85	1.331		mg/Kg	☒	72	13 - 120	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
2-Fluorobiphenyl (Surr)	56		29 - 120
Terphenyl-d14 (Surr)	87		13 - 120
Nitrobenzene-d5 (Surr)	52		27 - 120

Lab Sample ID: 490-24039-A-1-C MSD

Matrix: Solid

Analysis Batch: 73484

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73447

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Acenaphthylene	ND		1.83	1.384		mg/Kg	☒	76	25 - 120	6	50	
Anthracene	0.0350	J	1.83	1.352		mg/Kg	☒	72	28 - 125	6	49	
Benzo[a]anthracene	0.125		1.83	1.404		mg/Kg	☒	70	23 - 120	2	50	
Benzo[a]pyrene	0.129		1.83	1.336		mg/Kg	☒	66	15 - 128	5	50	
Benzo[b]fluoranthene	0.161		1.83	1.479		mg/Kg	☒	72	12 - 133	0	50	
Benzo[g,h,i]perylene	0.0772		1.83	1.276		mg/Kg	☒	65	22 - 120	6	50	
Benzo[k]fluoranthene	0.0753		1.83	1.363		mg/Kg	☒	70	28 - 120	6	45	
1-Methylnaphthalene	ND		1.83	1.393		mg/Kg	☒	76	10 - 120	7	50	
Pyrene	0.230		1.83	1.600		mg/Kg	☒	75	20 - 123	4	50	
Phenanthrene	0.125		1.83	1.443		mg/Kg	☒	72	21 - 122	3	50	
Chrysene	0.132		1.83	1.390		mg/Kg	☒	69	20 - 120	6	49	

TestAmerica Nashville

QC Sample Results

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 490-24039-A-1-C MSD

Matrix: Solid

Analysis Batch: 73484

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73447

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene	ND		1.83	1.233		mg/Kg	☒	67	12 - 128	2	50
Fluoranthene	0.232		1.83	1.377		mg/Kg	☒	62	10 - 143	4	50
Fluorene	ND		1.83	1.315		mg/Kg	☒	72	20 - 120	0	50
Indeno[1,2,3-cd]pyrene	0.0666	J	1.83	1.218		mg/Kg	☒	63	22 - 121	5	50
Naphthalene	ND		1.83	1.253		mg/Kg	☒	68	10 - 120	12	50
2-Methylnaphthalene	ND		1.83	1.374		mg/Kg	☒	75	13 - 120	3	50
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2-Fluorobiphenyl (Surr)	57		29 - 120								
Terphenyl-d14 (Surr)	79		13 - 120								
Nitrobenzene-d5 (Surr)	62		27 - 120								

Method: Moisture - Percent Moisture

Lab Sample ID: 490-24492-A-21 DU

Matrix: Solid

Analysis Batch: 73396

Client Sample ID: Duplicate

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	89		89		%		0.06	20

TestAmerica Nashville

QC Association Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

GC/MS VOA

Prep Batch: 73253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24495-1	1433 Dove	Total/NA	Solid	5035	
490-24495-2	1435-2 Dove	Total/NA	Solid	5035	
490-24495-6	1418 Albatross	Total/NA	Solid	5035	

Prep Batch: 73254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24495-1	1433 Dove	Total/NA	Solid	5035	
490-24495-2	1435-2 Dove	Total/NA	Solid	5035	
490-24495-3	590 Aster	Total/NA	Solid	5035	
490-24495-4	642 Dahlia-2	Total/NA	Solid	5035	
490-24495-5	1422 Albatross	Total/NA	Solid	5035	
490-24495-6	1418 Albatross	Total/NA	Solid	5035	
490-24495-7	591 Aster	Total/NA	Solid	5035	
490-24495-8	434 Elderberry	Total/NA	Solid	5035	

Prep Batch: 73519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24512-C-6-B MS	Matrix Spike	Total/NA	Solid	5035	
490-24512-C-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24495-1	1433 Dove	Total/NA	Solid	8260B	73254
490-24495-2	1435-2 Dove	Total/NA	Solid	8260B	73254
490-24495-4	642 Dahlia-2	Total/NA	Solid	8260B	73254
490-24495-5	1422 Albatross	Total/NA	Solid	8260B	73254
490-24495-6	1418 Albatross	Total/NA	Solid	8260B	73254
490-24495-8	434 Elderberry	Total/NA	Solid	8260B	73254
490-24512-C-6-B MS	Matrix Spike	Total/NA	Solid	8260B	73519
490-24512-C-6-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	73519
LCS 490-73618/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-73618/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-73618/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 74074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24495-1	1433 Dove	Total/NA	Solid	8260B	73253
490-24495-2	1435-2 Dove	Total/NA	Solid	8260B	73253
490-24495-2	1435-2 Dove	Total/NA	Solid	8260B	73253
490-24495-3	590 Aster	Total/NA	Solid	8260B	73254
490-24495-6	1418 Albatross	Total/NA	Solid	8260B	73253
490-24495-7	591 Aster	Total/NA	Solid	8260B	73254
LCS 490-74074/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-74074/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 490-74074/6	Method Blank	Total/NA	Solid	8260B	
MB 490-74074/7	Method Blank	Total/NA	Solid	8260B	

TestAmerica Nashville

QC Association Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

GC/MS Semi VOA

Prep Batch: 73447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24039-A-1-B MS	Matrix Spike	Total/NA	Solid	3550C	
490-24039-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3550C	
490-24495-1	1433 Dove	Total/NA	Solid	3550C	
490-24495-2	1435-2 Dove	Total/NA	Solid	3550C	
490-24495-3	590 Aster	Total/NA	Solid	3550C	
490-24495-4	642 Dahlia-2	Total/NA	Solid	3550C	
490-24495-5	1422 Albatross	Total/NA	Solid	3550C	
490-24495-6	1418 Albatross	Total/NA	Solid	3550C	
490-24495-7	591 Aster	Total/NA	Solid	3550C	
490-24495-8	434 Elderberry	Total/NA	Solid	3550C	
LCS 490-73447/2-A	Lab Control Sample	Total/NA	Solid	3550C	
MB 490-73447/1-A	Method Blank	Total/NA	Solid	3550C	

Analysis Batch: 73484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24039-A-1-B MS	Matrix Spike	Total/NA	Solid	8270D	73447
490-24039-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	73447
490-24495-1	1433 Dove	Total/NA	Solid	8270D	73447
490-24495-2	1435-2 Dove	Total/NA	Solid	8270D	73447
490-24495-3	590 Aster	Total/NA	Solid	8270D	73447
490-24495-4	642 Dahlia-2	Total/NA	Solid	8270D	73447
490-24495-5	1422 Albatross	Total/NA	Solid	8270D	73447
490-24495-6	1418 Albatross	Total/NA	Solid	8270D	73447
490-24495-7	591 Aster	Total/NA	Solid	8270D	73447
490-24495-8	434 Elderberry	Total/NA	Solid	8270D	73447
LCS 490-73447/2-A	Lab Control Sample	Total/NA	Solid	8270D	73447
MB 490-73447/1-A	Method Blank	Total/NA	Solid	8270D	73447

Analysis Batch: 73722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24495-1	1433 Dove	Total/NA	Solid	8270D	73447
490-24495-2	1435-2 Dove	Total/NA	Solid	8270D	73447
490-24495-6	1418 Albatross	Total/NA	Solid	8270D	73447

General Chemistry

Analysis Batch: 73396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-24492-A-21 DU	Duplicate	Total/NA	Solid	Moisture	
490-24495-1	1433 Dove	Total/NA	Solid	Moisture	
490-24495-2	1435-2 Dove	Total/NA	Solid	Moisture	
490-24495-3	590 Aster	Total/NA	Solid	Moisture	
490-24495-4	642 Dahlia-2	Total/NA	Solid	Moisture	
490-24495-5	1422 Albatross	Total/NA	Solid	Moisture	
490-24495-6	1418 Albatross	Total/NA	Solid	Moisture	
490-24495-7	591 Aster	Total/NA	Solid	Moisture	
490-24495-8	434 Elderberry	Total/NA	Solid	Moisture	

TestAmerica Nashville

Lab Chronicle

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 1433 Dove

Date Collected: 04/08/13 15:30

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-1

Matrix: Solid

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	73618	04/19/13 16:28	MH	TAL NSH
Total/NA	Prep	5035			73253	04/17/13 20:10	ML	TAL NSH
Total/NA	Analysis	8260B		2	74074	04/22/13 23:44	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 20:17	KP	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		4	73722	04/19/13 18:06	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

Client Sample ID: 1435-2 Dove

Date Collected: 04/09/13 15:30

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-2

Matrix: Solid

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	73618	04/19/13 16:55	MH	TAL NSH
Total/NA	Prep	5035			73253	04/17/13 20:10	ML	TAL NSH
Total/NA	Analysis	8260B		1	74074	04/22/13 17:25	MH	TAL NSH
Total/NA	Prep	5035			73253	04/17/13 20:10	ML	TAL NSH
Total/NA	Analysis	8260B		20	74074	04/22/13 17:52	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 20:39	KP	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		2	73722	04/19/13 18:28	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

Client Sample ID: 590 Aster

Date Collected: 04/10/13 14:15

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-3

Matrix: Solid

Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	74074	04/22/13 16:04	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 21:02	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 642 Dahlia-2

Date Collected: 04/11/13 14:15

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-4

Matrix: Solid

Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	73618	04/19/13 17:49	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 21:24	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

Client Sample ID: 1422 Albatross

Date Collected: 04/08/13 13:45

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-5

Matrix: Solid

Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	73618	04/19/13 18:16	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 21:46	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

Client Sample ID: 1418 Albatross

Date Collected: 04/09/13 15:30

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-6

Matrix: Solid

Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	73618	04/19/13 18:43	MH	TAL NSH
Total/NA	Prep	5035			73253	04/17/13 20:10	ML	TAL NSH
Total/NA	Analysis	8260B		1	74074	04/22/13 18:19	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 22:08	KP	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		2	73722	04/19/13 18:50	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

Client Sample ID: 591 Aster

Date Collected: 04/10/13 14:45

Date Received: 04/17/13 08:30

Lab Sample ID: 490-24495-7

Matrix: Solid

Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	74074	04/22/13 16:31	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 22:30	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Client Sample ID: 434 Elderberry

Lab Sample ID: 490-24495-8

Date Collected: 04/11/13 11:45

Matrix: Solid

Date Received: 04/17/13 08:30

Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			73254	04/17/13 20:15	ML	TAL NSH
Total/NA	Analysis	8260B		1	73618	04/19/13 19:37	MH	TAL NSH
Total/NA	Prep	3550C			73447	04/18/13 12:55	JP	TAL NSH
Total/NA	Analysis	8270D		1	73484	04/18/13 22:52	KP	TAL NSH
Total/NA	Analysis	Moisture		1	73396	04/18/13 11:20	RS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NSH
Moisture	Percent Moisture	EPA	TAL NSH

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Certification Summary

Client: Environmental Enterprise Group
Project/Site: Laurel Bay Housing Project

TestAmerica Job ID: 490-24495-1

Laboratory: TestAmerica Nashville

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
	ACIL		393	10-30-13
A2LA	ISO/IEC 17025		0453.07	12-31-13
Alabama	State Program	4	41150	05-31-13
Alaska (UST)	State Program	10	UST-087	07-24-13
Arizona	State Program	9	AZ0473	05-05-13 *
Arkansas DEQ	State Program	6	88-0737	04-25-13 *
California	NELAP	9	1168CA	10-31-13
Connecticut	State Program	1	PH-0220	12-31-13
Florida	NELAP	4	E87358	06-30-13
Illinois	NELAP	5	200010	12-09-13
Iowa	State Program	7	131	05-01-14
Kansas	NELAP	7	E-10229	10-31-13
Kentucky (UST)	State Program	4	19	09-15-13
Louisiana	NELAP	6	30613	06-30-13
Maryland	State Program	3	316	03-31-14
Massachusetts	State Program	1	M-TN032	06-30-13
Minnesota	NELAP	5	047-999-345	12-31-13
Mississippi	State Program	4	N/A	06-30-13
Montana (UST)	State Program	8	NA	01-01-15
Nevada	State Program	9	TN00032	07-31-13
New Hampshire	NELAP	1	2963	10-10-13
New Jersey	NELAP	2	TN965	06-30-13
New York	NELAP	2	11342	04-01-14
North Carolina DENR	State Program	4	387	12-31-13
North Dakota	State Program	8	R-146	06-30-13
Ohio VAP	State Program	5	CL0033	01-19-14
Oregon	NELAP	10	TN200001	04-30-13 *
Pennsylvania	NELAP	3	68-00585	06-30-13
Rhode Island	State Program	1	LAO00268	12-30-13
South Carolina	State Program	4	84009 (001)	05-31-14 *
South Carolina	State Program	4	84009 (002)	02-23-14
Tennessee	State Program	4	2008	02-23-14
Texas	NELAP	6	T104704077-09-TX	08-31-13
USDA	Federal		S-48469	11-02-13
Utah	NELAP	8	TAN	06-30-13
Virginia	NELAP	3	460152	06-14-13
Washington	State Program	10	C789	07-19-13
West Virginia DEP	State Program	3	219	02-28-14
Wisconsin	State Program	5	998020430	08-31-13
Wyoming (UST)	A2LA	8	453.07	12-31-13

* Expired certification is currently pending renewal and is considered valid.

TestAmerica Nashville



COOLER RECEIPT FORM

Charleston



490-24495 Chain of Custody

Cooler Received/Opened On 4/17/2013 @ 0830

1. Tracking # 9641 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 3.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and Where: 1 Front + Back

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA So: 1/2

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO..#

15/01/12

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

Project Manager: Tom McEwee email: mcewee@ceginet.net

Telephone Number: 843.412.2097

Sampler Name: (Print) Tom McEwee

Sampler Signature: [Signature]

Loc: 490

24495

Nashville Division
2980 Foster Creighton
Nashville, TN 37204

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

Site State: SC

PO#: 1033

TA Quote #: 1033

Project ID: Laurel Bay Housing Project

Project #: 1033

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

Compliance Monitoring? Yes
Enforcement Action? Yes

Yes No
Yes No

Loc: 490		24495	
Sample ID / Description		Date Sampled	Time Sampled
1453 DOVE		4/8/13	1530
1453 DOVE		4/9/13	1530
590 HSE		4/10/13	1415
643 DOVE/A-R		4/11/13	1415
No. of Containers Shipped		Grab	Composite
Field Filtered		Ice	HNO ₃ (Red Label)
H ₂ SO ₄ Plastic (Yellow Label)		H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)
Other (Specify)		Groundwater	Wastewater
Drinking Water		Sludge	Soil
Other (specify):		BTEX + Napth - 8260	
PAH - 8270D			
RUSH TAT Pre-Schedule		Standard TAT	
Fax Results		Send OC with report	
Page 28 of 30			

Special Instructions:

Method of Shipment:

FEDEX

Laboratory Comments:

Temperature Upon Receipt
VOCs Free of Headspace?

Y N

Received by: <u>[Signature]</u>	Date: <u>4/16/13</u>	Time: <u>0900</u>	Received by: <u>Fedex</u>	Date: <u>4/16/13</u>	Time: <u>0830</u>
Relinquished by: <u>[Signature]</u>	Date: <u>4/16/13</u>	Time: <u>0900</u>	Received by: <u>Fedex</u>	Date: <u>4/16/13</u>	Time: <u>0830</u>

PS 2 of 3

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton
Nashville, TN 37204

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

Client Name/Account #: EEG - SBG # 2449

Address: 10179 Highway 78

City/State/Zip: Ladson, SC 29456

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

Telephone Number: 843.412.2097

Sample Name: (Print)

Loc: 490

24495

Sampler Signature: *Tom McElwee*

Fax No: 843-879-0401

Site State: SC

PO#: 1035

TA Quote #:

Project ID: Laurel Bay Housing Project

Project #:

Compliance Monitoring?
Enforcement Action?

Yes No
Yes No

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composites	Field Filtered	Ice	HNO ₃ (Red Label)	NaOH (Orange Label)	H ₂ SO ₄ Plastic (Yellow Label)	H ₂ SO ₄ Glass (Yellow Label)	None (Black Label)	Other (Specify)	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	BTEX + Naph - 8260	PAH - 8270D	Analyze For:	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results
1422 Albataross	4/8/13	1345	5	X								21									X				
1418 Albataross	4/9/13	1530	5	X								21									X				
591 Astara	4/10/13	1745	5	X								21									X				
434 Eldenberry	4/11/13	1145	5	X								21									X				

Special Instructions:

Method of Shipment:

Laboratory Comments:
Temperature Upon Receipt
VOCs Free of Headspace?

Y N

Reinquired by: *Tom McElwee*

Date: 4/16/13

Time: 0900

Received by: *Tom McElwee*

Received by TestAmerica:

Date: 4/19/13

Time: 0830

Login Sample Receipt Checklist

Client: Environmental Enterprise Group

Job Number: 490-24495-1

Login Number: 24495

List Source: TestAmerica Nashville

List Number: 1

Creator: Buckingham, Paul

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT A

UST Certificate of Disposal

CONTRACTOR

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

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

TANK ID & LOCATION

UST 1435-2Dove; 1435 Dove Lane, Laurel Bay Housing Area, MCAS Beaufort, S.C.

DISPOSAL LOCATION

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

TYPE OF TANK

SIZE (GAL)

Steel

280

CLEANING/DISPOSAL METHOD

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

DISPOSAL CERTIFICATION

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

T.L. L. L. L. / 5/28/13
(Name) (Date)

Appendix C
Laboratory Analytical Report - Initial Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants				Laboratory ID: QB04032-005			
Description: BEALB1435TW01WG20150203				Matrix: Aqueous			
Date Sampled: 02/03/2015 0835							
Date Received: 02/04/2015							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	02/06/2015 1624	ALL		67113

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	3.2	J	5.0	0.45	0.15	ug/L	1
Ethylbenzene	100-41-4	8260B	47		5.0	0.51	0.17	ug/L	1
Naphthalene	91-20-3	8260B	150		5.0	0.96	0.32	ug/L	1
Toluene	108-88-3	8260B	10		5.0	0.48	0.16	ug/L	1
Xylenes (total)	1330-20-7	8260B	200		5.0	0.57	0.19	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		111	75-120
1,2-Dichloroethane-d4		105	70-120
Toluene-d8		100	85-120
Dibromofluoromethane		104	85-115

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

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

Level 1 Report v2.1

Semivolatile Organic Compounds by GC/MS (SIM)

Client: AECOM - Resolution Consultants	Laboratory ID: QB04032-005
Description: BEALB1435TW01WG20150203	Matrix: Aqueous
Date Sampled: 02/03/2015 0835	
Date Received: 02/04/2015	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D (SIM)	1	02/09/2015 1320	RBH	02/05/2015 1624	67030

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

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
2-Methylnaphthalene-d10		97	15-139
Fluoranthene-d10		51	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

Appendix D
Laboratory Analytical Reports – Permanent Well Groundwater

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC25010-014
Description: BEALB1435MW01WG20170323	Matrix: Aqueous
Date Sampled: 03/23/2017 1925	
Date Received: 03/25/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	03/28/2017 1916	TML		38220
2	5030B	8260B	5	03/29/2017 1212	PMV		38308

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	7.4		1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	65		1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	240		5.0	4.0	2.0	ug/L	2
Toluene	108-88-3	8260B	13		1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	300		1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		106	85-114		106	85-114
Dibromofluoromethane		105	80-119		103	80-119
1,2-Dichloroethane-d4		90	81-118		96	81-118
Toluene-d8		106	89-112		107	89-112

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

Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: SC25010-014
Description: BEALB1435MW01WG20170323	Matrix: Aqueous
Date Sampled: 03/23/2017 1925	
Date Received: 03/25/2017	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	5	04/05/2017 2240	RBH	03/30/2017 1010	38407

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.50	UQ	1.0	0.50	0.20	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.50	UQ	1.0	0.50	0.20	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.50	UQ	1.0	0.50	0.20	ug/L	1
Chrysene	218-01-9	8270D	0.50	UQ	1.0	0.50	0.20	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.50	UQ	1.0	0.50	0.20	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		64	44-120
2-Fluorobiphenyl		54	44-119
Terphenyl-d14	N	47	50-134

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

Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants				Laboratory ID: TL15001-001			
Description: BEALB1435MW02WG20181213				Matrix: Aqueous			
Date Sampled: 12/13/2018 0750							
Date Received: 12/14/2018							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/24/2018 1646	KGT		93276

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	85-114
Dibromofluoromethane		113	80-119
1,2-Dichloroethane-d4		100	81-118
Toluene-d8		106	89-112

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants

Laboratory ID: TL15001-001

Description: BEALB1435MW02WG20181213

Matrix: Aqueous

Date Sampled: 12/13/2018 0750

Date Received: 12/14/2018

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/23/2018 1125	CMP2	12/17/2018 1747	92641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		62	44-120
2-Fluorobiphenyl		47	44-119
Terphenyl-d14		70	50-134

LOQ = Limit of Quantitation

B = Detected in the method blank

E = Quantitation of compound exceeded the calibration range

DL = Detection Limit

Q = Surrogate failure

U = Not detected at or above the LOQ

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

J = Estimated result < LOQ and ≥ DL

L = LCS/LCSD failure

H = Out of holding time

W = Reported on wet weight basis

LOD = Limit of Detection

S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: TL15001-006
Description: BEALB1435MW03WG20181213	Matrix: Aqueous
Date Sampled: 12/13/2018 0900	
Date Received: 12/14/2018	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
2	5030B	8260B	1	12/27/2018 2339	STM		93514

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	2
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	2
Naphthalene	91-20-3	8260B	0.65	J	1.0	0.80	0.40	ug/L	2
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	2
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	2

Surrogate	Q	Run 2 % Recovery	Acceptance Limits
Bromofluorobenzene		102	85-114
Dibromofluoromethane		102	80-119
1,2-Dichloroethane-d4		102	81-118
Toluene-d8		104	89-112

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants

Laboratory ID: TL15001-006

Description: BEALB1435MW03WG20181213

Matrix: Aqueous

Date Sampled: 12/13/2018 0900

Date Received: 12/14/2018

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/23/2018 1351	CMP2	12/17/2018 1747	92641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Surrogate	Q	Run 1 % Recovery	Acceptance Limits						
Nitrobenzene-d5		80	44-120						
2-Fluorobiphenyl		66	44-119						
Terphenyl-d14		95	50-134						

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants		Laboratory ID: TL15001-003	
Description: BEALB1435MW04WG20181213		Matrix: Aqueous	
Date Sampled: 12/13/2018 0820			
Date Received: 12/14/2018			

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/24/2018 1731	KGT		93276

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	3.1		1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	17		1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	73		1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	2.2		1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	74		1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		105	85-114
Dibromofluoromethane		114	80-119
1,2-Dichloroethane-d4		101	81-118
Toluene-d8		108	89-112

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: TL15001-003
Description: BEALB1435MW04WG20181213	Matrix: Aqueous
Date Sampled: 12/13/2018 0820	
Date Received: 12/14/2018	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	10	12/23/2018 2018	CMP2	12/17/2018 1747	92641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	1.0	U	2.0	1.0	0.40	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	1.0	U	2.0	1.0	0.40	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	1.0	U	2.0	1.0	0.40	ug/L	1
Chrysene	218-01-9	8270D	1.0	U	2.0	1.0	0.40	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	1.0	U	2.0	1.0	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		75	44-120
2-Fluorobiphenyl		55	44-119
Terphenyl-d14		62	50-134

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants				Laboratory ID: TL15001-005			
Description: BEALB1435MW05WG20181213				Matrix: Aqueous			
Date Sampled: 12/13/2018 0825							
Date Received: 12/14/2018							

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	12/24/2018 1815	KGT		93276

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	1.0		1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		104	85-114
Dibromofluoromethane		115	80-119
1,2-Dichloroethane-d4		88	81-118
Toluene-d8		107	89-112

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS

Client: AECOM - Resolution Consultants	Laboratory ID: TL15001-005
Description: BEALB1435MW05WG20181213	Matrix: Aqueous
Date Sampled: 12/13/2018 0825	
Date Received: 12/14/2018	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	12/23/2018 1326	CMP2	12/17/2018 1747	92641

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Nitrobenzene-d5		63	44-120
2-Fluorobiphenyl		53	44-119
Terphenyl-d14		65	50-134

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: AECOM	Laboratory ID: UD10095-002
Description: BEALB1435MW06WG20190409	Matrix: Aqueous
Date Sampled: 04/09/2019 0900	
Date Received: 04/10/2019	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/13/2019 2159	STM		13284

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	0.80	UL	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		98	85-114
Dibromofluoromethane		101	80-119
1,2-Dichloroethane-d4		89	81-118
Toluene-d8		103	89-112

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS

Client: AECOM	Laboratory ID: UD10095-002
Description: BEALB1435MW06WG20190409	Matrix: Aqueous
Date Sampled: 04/09/2019 0900	
Date Received: 04/10/2019	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	04/23/2019 2327	JCG	04/15/2019 1900	13398
2	3520C	8270D	1	04/29/2019 1433	JCG	04/26/2019 1318	14760

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Nitrobenzene-d5		48	44-120	H	67	44-120
2-Fluorobiphenyl		50	44-119	H	68	44-119
Terphenyl-d14		67	50-134	H	97	50-134

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Volatile Organic Compounds by GC/MS

Client: AECOM	Laboratory ID: UD10095-005
Description: BEALB1435MW07WG20190409	Matrix: Aqueous
Date Sampled: 04/09/2019 0950	
Date Received: 04/10/2019	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	5030B	8260B	1	04/13/2019 2308	STM		13284

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzene	71-43-2	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Ethylbenzene	100-41-4	8260B	0.80	U	1.0	0.80	0.40	ug/L	1
Naphthalene	91-20-3	8260B	1.9		1.0	0.80	0.40	ug/L	1
Toluene	108-88-3	8260B	0.80	UL	1.0	0.80	0.40	ug/L	1
Xylenes (total)	1330-20-7	8260B	0.80	U	1.0	0.80	0.40	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
Bromofluorobenzene		96	85-114
Dibromofluoromethane		101	80-119
1,2-Dichloroethane-d4		90	81-118
Toluene-d8		103	89-112

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Semivolatile Organic Compounds by GC/MS

Client: AECOM	Laboratory ID: UD10095-005
Description: BEALB1435MW07WG20190409	Matrix: Aqueous
Date Sampled: 04/09/2019 0950	
Date Received: 04/10/2019	

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3520C	8270D	1	04/24/2019 0042	JCG	04/15/2019 1900	13398
2	3520C	8270D	1	04/29/2019 1549	JCG	04/26/2019 1318	14760

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	LOD	DL	Units	Run
Benzo(a)anthracene	56-55-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(b)fluoranthene	205-99-2	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Benzo(k)fluoranthene	207-08-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Chrysene	218-01-9	8270D	0.10	U	0.20	0.10	0.040	ug/L	1
Dibenzo(a,h)anthracene	53-70-3	8270D	0.10	U	0.20	0.10	0.040	ug/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits	Q	Run 2 % Recovery	Acceptance Limits
Nitrobenzene-d5		48	44-120	H	53	44-120
2-Fluorobiphenyl		53	44-119	H	50	44-119
Terphenyl-d14		82	50-134	H	65	50-134

LOQ = Limit of Quantitation	B = Detected in the method blank	E = Quantitation of compound exceeded the calibration range	DL = Detection Limit	Q = Surrogate failure
U = Not detected at or above the LOQ	N = Recovery is out of criteria	P = The RPD between two GC columns exceeds 40%	J = Estimated result < LOQ and ≥ DL	L = LCS/LCSD failure
H = Out of holding time	W = Reported on wet weight basis	LOD = Limit of Detection		S = MS/MSD failure

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Appendix E
Historical Groundwater Analytical Results

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

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Napthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
119 Banyan Drive	57 Banyan Drive	BEALB119MW01	12/11/2015	N	< 0.45 U	5	36 J	< 0.48 U	3.3 J	0.065 J	0.034 J	< 0.040 U	0.079 J	< 0.080 U
			12/11/2015	FD	< 0.45 U	5	37 J	< 0.48 U	3.5 J	< 0.040 U	< 0.040 U	< 0.040 U	0.037 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	< 0.10 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
		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
			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
		BEALB119MW03	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
			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
		BEALB119MW04	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	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	< 0.10 UJ	< 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
			3/19/2019	N	NA	NA	6.1	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
			3/19/2019	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
			3/19/2019	N	NA	NA	< 0.80 U	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
			7/29/2016	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			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	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
			3/19/2019	N	< 0.80 U	19	54	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/19/2019	FD	< 0.80 U	18	49	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			12/19/2018	N	< 0.80 U	10	130	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB130MW02	12/19/2018	FD	< 0.80 U	10	130	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/19/2019	N	0.87 J	16	150	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			12/19/2018	N	< 0.80 U	1.5	10	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB130MW03	3/19/2019	N	< 0.80 U	1.2	13	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			12/19/2018	N	< 0.80 U	< 0.80 U	0.42 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/19/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB130MW04	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/19/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB130MW05	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/19/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB130MW06	4/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U

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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Napthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
132 Banyan Drive	188 Banyan Drive	BEALB132MW01	12/15/2015	N	7.9	42	150 J	< 0.48 U	39	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			7/29/2016	N	30	78	200	< 0.80 U	60	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			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
			3/19/2019	N	22	NA	160	NA	NA	NA	NA	NA	NA	NA
			3/19/2019	FD	23	NA	180	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
			3/19/2019	N	0.47 J	NA	2.1	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
			3/19/2019	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
			3/19/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
135 Birch Drive	378 Birch Drive	BEALB135MW01	12/15/2015	N	< 0.45 U	3.4 J	79	< 0.48 U	0.36 J	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/2/2016	N	< 0.80 U	2.4	45	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			8/2/2016	FD	< 0.80 U	2.6	47	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	1	4.6	61	< 0.80 U	2.2	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			1/23/2018	N	NA	NA	64	NA	NA	NA	NA	NA	NA	NA
			3/19/2019	N	NA	NA	36	NA	NA	NA	NA	NA	NA	NA
		BEALB135MW02	3/19/2019	FD	NA	NA	35	NA	NA	NA	NA	NA	NA	NA
			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	3/18/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			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	3/18/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			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
148 Laurel Bay Boulevard	917 Laurel Bay Boulevard	BEALB148MW01	12/16/2015	N	< 0.45 U	13	110 J	< 0.48 U	8.9	0.045 J	< 0.040 U	< 0.040 U	0.043 J	< 0.080 U
			8/2/2016	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
			6/15/2017	N	< 0.80 U	4	28	< 0.80 U	< 0.80 U	0.16 J	0.042 J	< 0.10 UJ	0.10 J	< 0.10 UJ
			1/22/2018	N	NA	NA	NA	NA	NA	0.24	0.098 J	< 0.10 U	0.15 J	< 0.10 U
			3/18/2019	N	NA	NA	33	NA	NA	NA	NA	NA	NA	NA
		BEALB148MW02	12/16/2015	N	< 0.45 U	0.60 J	48 J	0.24 J	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/2/2016	N	< 0.80 U	< 0.80 U	18	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			8/2/2016	FD	< 0.80 U	< 0.80 U	18	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/15/2017	N	< 0.80 U	< 0.80 U	16	< 0.80 U	< 0.80 U	0.047 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			1/19/2018	N	< 0.80 U	< 0.80 U	14	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB148MW03	3/18/2019	N	NA	NA	11	NA	NA	NA	NA	NA	NA	NA
			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	3/18/2019	N	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA
			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
			3/18/2019	N	NA	NA	0.50 J	NA	NA	NA	NA	NA	NA	NA

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					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
156 Laurel Bay Boulevard	989 Laurel Bay Boulevard	BEALB156MW01	12/15/2015	N	< 0.45 U	9.2	72	< 0.48 U	25	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U
			12/15/2015	FD	< 0.45 U	11	82	< 0.48 U	31	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/1/2016	N	< 0.80 U	13	110	< 0.80 U	18	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	< 0.80 U	8.6	62	< 0.80 U	6.2	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			1/23/2018	N	NA	NA	110	NA	NA	NA	NA	NA	NA	NA
			3/19/2019	N	NA	NA	16	NA	NA	NA	NA	NA	NA	NA
		BEALB156MW02	12/15/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/1/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			1/23/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB156MW03	12/15/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/1/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			1/22/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/19/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB156MW04	12/15/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/1/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U	< 0.10 U
			6/14/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			1/22/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	N	NA	NA	0.50 J	NA	NA	NA	NA	NA	NA	NA
		BEALB156MW05	12/15/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/3/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			1/22/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
228 Cypress Street	136 Cypress Street	BEALB228MW01	3/20/2018	N	< 0.80 U	18	86	1.3	52	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/7/2019	N	< 0.80 U	< 0.80 U	1.5 J	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/7/2019	FD	< 0.80 U	< 0.80 U	2.1	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U
		BEALB228MW02	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U
		BEALB228MW03	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB228MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB228MW05	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
254 Beech Street	37 Beech Street	BEALB254MW01	3/20/2018	N	17 J	15 J	190	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/20/2018	FD	13	12	160	< 0.80 U	< 0.80 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
			3/13/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB254MW02	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/13/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		BEALB254MW03	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			12/17/2018	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/11/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB254MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/11/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
256 Beech Street	53 Beech Street	BEALB256MW01	3/23/2017	N	1.2	14	38	< 0.80	12	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
			3/23/2017	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
			3/11/2019	N	< 0.80 U	0.73 J	1.8	< 0.80 U	< 0.80 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
			3/11/2019	FD	< 0.80 U	0.75 J	1.9	< 0.80 U	< 0.80 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
		BEALB256MW02	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB256MW03	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB256MW04	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB256MW05	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
268 Beech Street	149 Beech Street	BEALB268MW01	3/20/2018	N	< 0.80 U	6.2	19	< 0.80 U	19	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ

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					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
273 Birch Drive	82 Birch Drive	BEALB273MW01	7/25/2016	N	2.4	5.9	75	< 0.80 U	1.5	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	1.9	16	170	< 0.80 U	< 0.80 U	0.056 J	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			1/23/2018	N	2.6	11	140	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	NA	NA	100	NA	NA	NA	NA	NA	NA	NA
		BEALB273MW02	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB273MW03	12/13/2018	N	< 0.80 UJ	0.72 J	24 J	< 0.80 UJ	0.67 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	NA	NA	15	NA	NA	NA	NA	NA	NA	NA
		BEALB273MW04	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	0.78 J	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB273MW05	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
282 Birch Drive	191 Birch Drive	BEALB282MW136	7/30/2013	N	0.41 J	1.2	57	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.25 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
			9/11/2014	FD	< 0.40 U	0.76 J	15	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	16	NA	NA	NA	NA	NA	NA	NA
			9/15/2015	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
			7/28/2016	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	< 0.25 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	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
			3/6/2019	N	1.6	5.2	35	<0.80	1.4	<0.10 UJ	<0.10	<0.10	<0.10 UJ	<0010
		BEALB285MW02	12/18/2018	N	< 0.80 U	< 0.80 U	0.41 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	< 0.80 U	< 0.80 U	2	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB285MW03	12/18/2018	N	0.52 J	1.5	39	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/6/2019	N	0.66 J	1.6	37	<0.80	<0.80	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB285MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	<0.80	<0.80	0.49 J	<0.80	<0.80	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB285MW05	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	<0.80	<0.80	0.6 J	<0.80	<0.80	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB285MW06	12/18/2018	N	3.1	4.9	56	< 0.80 U	12	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/18/2018	FD	3.3	5.2	61	< 0.80 U	13	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/6/2019	N	4.6	5.2	49	< 0.80 U	7.1	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/6/2019	FD	4.2	4.7	53	< 0.80 U	7.2	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB285MW07	4/8/2019	N	< 0.80 U	< 0.80 U	9.1	< 0.80 UJ	0.52 J	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
292 Birch Drive	273 Birch Drive	BEALB292MW01	3/23/2017	N	< 0.80	3.2	10	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

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					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
325 Ash Street	238 Ash Street	BEALB325MW01	7/25/2016	N	< 0.80 U	25	100 J	< 0.80 U	18	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			6/14/2017	N	< 0.80 U	18	86	< 0.80 U	8.8	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			1/23/2018	N	< 0.80 U	16	92	< 0.80 U	7.1	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/18/2019	N	NA	NA	80	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	FD	NA	NA	86	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW02	12/19/2018	N	< 0.80 U	6.9	41	< 0.80 U	20	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/18/2019	N	NA	NA	27	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW03	12/19/2018	N	< 0.80 U	2.4	10	< 0.80 U	0.87 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/15/2019	N	NA	NA	8.8	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW04	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/15/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW05	12/19/2018	N	< 0.80 U	< 0.80 U	0.66 J	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/18/2019	N	NA	NA	0.62 J	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW06	12/19/2018	N	< 0.80 U	21	91	0.56 J	36	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/18/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB325MW07	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/18/2019	N	NA	NA	0.43 J	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW08	12/19/2018	N	1.7	21	140	0.51 J	39	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/18/2019	N	NA	NA	91	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW09	3/18/2019	FD	NA	NA	92	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW10	4/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			4/8/2019	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
326 Ash Street	239 Ash Street	BEALB326MW01	7/25/2016	N	2.6	15	49	0.86 J	59	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	2.2	8	37	< 0.80 U	23	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 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
			3/18/2019	N	NA	NA	51	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	FD	NA	NA	48	NA	NA	NA	NA	NA	NA	NA
		BEALB326MW02	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/19/2018	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/15/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB326MW03	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/14/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB326MW04	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/15/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB326MW05	12/19/2018	N	< 0.80 U	< 0.80 U	0.60 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/15/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
330 Ash Street	309 Ash Street	BEALB330MW01	7/26/2016	N	1.3	48	120	0.86 J	100	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 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
			3/14/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB330MW02	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U	< 0.10 UJ
			3/14/2019	N	< 0.80 U	< 0.80 U	1.1	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB330MW03	12/17/2018	N	< 0.80 U	< 0.80 U	1.2	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/15/2019	N	< 0.80 U	0.84 J	4.2	< 0.80 U	0.76 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB330MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/15/2019	N	< 0.80 U	< 0.80 U	3.5	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB330MW05	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/18/2018	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 UJ	< 0.10 U	< 0.10 U	< 0.10 UJ
331 Ash Street	324 Ash Street	BEALB331MW01	3/23/2017	N	< 0.80	2	41	< 0.80	3.6	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
			1/24/2018	N	< 0.80 U	1	32	< 0.80 U	1.8	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/15/2019	N	< 0.80 U	0.82 J	22	< 0.80 U	1.1	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/15/2019	FD	< 0.80 U	0.88 J	23	< 0.80 U	1.1	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB331MW02	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/14/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB331MW03	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/14/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
		BEALB331MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/14/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB331MW05	12/18/2018	N	< 0.80 U	< 0.80 U	6.2	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/14/2019	N	< 0.80 U	< 0.80 U	0.89 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U

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

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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
388 Acorn Drive	125 Acorn Drive	BEALB388MW110	7/29/2013	N	0.25 J	15	72	< 0.25 U	23	0.33	0.19 J	< 0.11 U	0.20 J	< 0.11 U
			9/10/2014	N	2.0	14	71	< 0.20 U	18	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/14/2015	N	0.75 J	NA	49 BJ	NA	NA	NA	NA	NA	NA	NA
			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
			3/18/2019	N	NA	NA	35	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	FD	NA	NA	32	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
			3/18/2019	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
			7/27/2016	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
			3/18/2019	N	NA	NA	2.1	NA	NA	NA	NA	NA	NA	NA
391 Acorn Drive	138 Acorn Drive	BEALB391MW113	7/30/2013	N	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			9/10/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
		BEALB391MW114	7/29/2013	N	< 0.25 U	< 0.25 U	6.6	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			7/29/2013	FD	< 0.25 U	< 0.25 U	6.3	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			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	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
			9/10/2014	N	< 0.40 U	< 0.20 U	0.89 J	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 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	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	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			9/10/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 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
430 Elderberry Drive	323 Elderberry Drive	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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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
437 Elderberry Drive	362 Elderberry Drive	BEALB437MW133	7/31/2013	N	0.93	25	110	0.57	49	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ
			7/31/2013	FD	0.96	26	110	0.61	50	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ
			9/11/2014	N	0.40 J	8.8	41	< 0.20 U	18	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/11/2014	FD	0.41 J	9.3	45	< 0.20 U	19	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	1.5 J	NA	180 BJ	NA	NA	NA	NA	NA	NA	NA
			9/15/2015	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
		BEALB437MW134	1/25/2018	N	NA	NA	83	NA	NA	NA	NA	NA	NA	NA
			3/11/2019	N	NA	NA	120	NA	NA	NA	NA	NA	NA	NA
			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
		BEALB437MW135	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
			3/11/2019	N	NA	NA	0.72 J	NA	NA	NA	NA	NA	NA	NA
			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
		BEALB437MW140	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
			3/11/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			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
		BEALB437MW141	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
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/12/2019	FD	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
440 Elderberry Drive	405 Elderberry Drive	BEALB440MW01	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
		BEALB440MW02	3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			12/18/2018	N	< 0.80 U	< 0.80 U	1.6	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB440MW03	12/18/2018	N	< 0.80 U	< 0.80 U	3.2	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB440MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB440MW05	12/18/2018	N	< 0.80 U	< 0.80 U	0.53 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	2.1	NA	NA	NA	NA	NA	NA	NA
441 Elderberry Drive	392 Elderberry Drive	BEALB441MW117	7/31/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 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

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					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
456 Elderberry Drive	537 Elderberry Drive	BEALB456MW01	7/22/2016	N	6.1	44	200	< 4.0 U	28	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/15/2017	N	5.4	64	340	< 0.80 U	41	0.21 J	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
			1/26/2018	N	4.4 J	51	320	< 4.0 U	36	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/8/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB456MW02	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/8/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB456MW03	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/8/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB456MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/11/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB456MW05	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/8/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
458 Elderberry Drive	551 Elderberry Drive	BEALB458MW01	7/22/2016	N	1.5	19	76	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/15/2017	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
			1/26/2018	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
			3/13/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB458MW02	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/13/2019	N	< 0.80 U	< 0.80 U	7.6	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB458MW03	12/18/2018	N	< 0.80 U	< 0.80 U	0.75 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/13/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB458MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	0.040 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/13/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
468 Dogwood Drive	65 Dogwood Drive	BEALB468MW01	7/25/2016	N	< 0.80 U	< 0.80 U	1.3	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
473 Dogwood Drive	82 Dogwood Drive	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
			3/13/2019	N	< 0.80 U	4.4	32	< 0.80 U	1.4	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/13/2019	FD	< 0.80 U	4.5	30	< 0.80 U	1.4	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB473MW02	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/12/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB473MW03	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/13/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB473MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/18/2018	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB473MW05	3/13/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			12/18/2018	N	< 0.80 U	< 0.80 U	0.51 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
518 Laurel Bay Boulevard	403 Laurel Bay Boulevard	BEALB518MW01	7/26/2016	N	< 0.80 U	1.5	20	< 0.80 U	2.6	< 0.10 U	0.16 J	0.15 J	< 0.10 U	0.15 J
635 Dahlia Drive	542 Dahlia Drive	BEALB635MW01	7/22/2016	N	< 0.80 U	< 0.80 U	0.81 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
638 Dahlia Drive	549 Dahlia Drive	BEALB638MW01	7/22/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
640 Dahlia Drive	569 Dahlia Drive	BEALB640MW01	7/22/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 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	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	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
			3/7/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB648MW02	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB648MW03	12/17/2018	N	< 0.80 U	< 0.80 U	0.43 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB648MW04	12/13/2018	N	< 0.80 U	< 0.80 U	0.86 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	3.9	< 0.80 U	0.48 J	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ

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					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
650 Dahlia Drive	653 Dahlia Drive	BEALB650MW01	7/21/2016	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
			6/16/2017	N	0.56 J	13	59	< 0.80 U	2.3	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			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
			3/7/2019	N	< 0.80 U	0.62 J	0.84 J	< 0.80 U	< 0.80 U	0.11 J	0.067 J	0.053 J	0.072 J	0.050 J
			3/7/2019	FD	< 0.80 U	0.74 J	1.1	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		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
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U
		BEALB650MW03	12/17/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/7/2019	N	< 0.80 U	< 0.80 U	0.86 J	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB650MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U
		BEALB650MW05	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/7/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB650MW06	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U
652 Dahlia Drive	669 Dahlia Drive	BEALB652MW01	7/21/2016	N	< 0.80 U	< 0.80 U	0.61 J	< 0.80 U	0.49 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 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	BEALB747MW01	3/23/2017	N	< 0.80	2.1	22	< 0.80	0.7	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
749 Blue Bell Lane	440 Blue Bell Lane	BEALB749MW01	3/23/2017	N	< 0.80	3.3	29	< 0.80	7.4	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
			1/25/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	< 0.80 U	< 0.80 U	0.53 J	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB749MW02	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		BEALB749MW03	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		BEALB749MW04	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		BEALB749MW05	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
760 Althea Street	101 Althea Street	BEALB760MW01	7/21/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
774 Althea Street	247 Althea Street	BEALB774MW01	3/20/2018	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
			3/12/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB774MW02	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB774MW03	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB774MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/12/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
775 Althea Street	244 Althea Street	BEALB774MW05	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		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	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
			12/16/2015	FD	< 0.45 U	< 0.51 U	0.84 J	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 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	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

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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
1054 Gardenia Drive	Empty Lot	BEALB1054DMW1	8/1/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			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
		BEALB1054MW2	3/4/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			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
			8/1/2013	FD	< 0.50 U	< 0.50 U	3.7	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			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
		BEALB1054MW4	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
			3/4/2019	N	NA	NA	0.58 J	NA	NA	NA	NA	NA	NA	NA
			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
		BEALB1054MW7	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
			3/4/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			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
		BEALB1054MW127	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
			3/4/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			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
		BEALB1054MW128	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
			3/4/2019	N	NA	NA	5.4	NA	NA	NA	NA	NA	NA	NA
		BEALB1054MW129	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	3/4/2019	N	NA	NA	11	NA	NA	NA	NA	NA	NA	NA
			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
			9/11/2014	FD	0.19 J	12	44	1.3	22	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/16/2015	N	< 0.45 U	NA	54 BJ	NA	NA	NA	NA	NA	NA	NA
			9/16/2015	FD	< 0.45 U	NA	59	NA	NA	NA	NA	NA	NA	NA
		BEALB1054MW129	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
			3/5/2019	N	NA	NA	45	NA	NA	NA	NA	NA	NA	NA
			3/5/2019	FD	NA	NA	43	NA	NA	NA	NA	NA	NA	NA

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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
1055 Gardenia Drive	191 Gardenia Drive	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	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
			3/6/2019	N	2.3	14	41	0.91 J	14	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		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
			3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 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
			3/6/2019	N	< 0.80 U	< 0.80 U	0.58 J	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		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
			3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		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
			3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
1102 Iris Lane	123 Iris Lane	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	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	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
			3/5/2019	N	0.46 J	5.9	12	< 0.80 UJ	< 0.80 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1124MW02	12/18/2018	N	0.43 J	2.4	42	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/18/2018	FD	< 0.80 U	2.4	40	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	0.50 J	3.8	60	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/5/2019	FD	0.52 J	4.3	62	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1124MW03	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1124MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/5/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1124MW05	12/18/2018	N	< 0.80 U	< 0.80 U	1.2	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/5/2019	N	< 0.80 U	< 0.80 U	3.3	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1124MW06	4/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1124MW07	4/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ

Appendix E-3
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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
1132 Iris Lane	345 Iris Lane	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
			3/5/2019	N	NA	NA	0.76 J	NA	NA	NA	NA	NA	NA	NA
		BEALB1132MW02	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/5/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1132MW03	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/5/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1132MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/5/2019	N	NA	NA	0.64 J	NA	NA	NA	NA	NA	NA	NA
		BEALB1132MW05	12/17/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	NA	NA	1.5	NA	NA	NA	NA	NA	NA	NA
1133 Iris Lane	408 Iris Lane	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	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	19	130 J	< 0.80 U	< 0.80 U	0.42 J	< 0.50 UJ	< 0.50 UJ	0.21 J	< 0.50 UJ
			3/5/2019	N	1.4	10	59	< 0.80 U	< 0.80 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
			3/5/2019	FD	1.4	10	61	< 0.80 U	< 0.80 U	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ	< 0.50 UJ
		BEALB1144MW02	7/26/2016	N	5	52	210	< 4.0 U	< 4.0 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
			7/26/2016	FD	5	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
			3/4/2019	N	1	8.1	22	0.49 J	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1144MW03	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/4/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1144MW04	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U	< 0.10 U
			3/4/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1144MW05	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	< 0.80 U	< 0.80 U	0.44 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1144MW06	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
1148 Iris Lane	467 Iris Lane	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
			3/4/2019	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
			3/4/2019	N	< 0.80 U	1.1	6.7	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/4/2019	FD	< 0.80 U	1.1	6.9	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1148MW03	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/4/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1148MW04	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/5/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1148MW05	12/13/2018	N	< 0.80 UJ	0.82 J	11 J	< 0.80 UJ	< 0.80 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/4/2019	N	< 0.80 U	0.72 J	7.7	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1148MW06	12/13/2018	N	< 0.80 UJ	< 0.80 UJ	1.1 J	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/4/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
1168 Jasmine Street	40 Jasmine Street	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
			12/17/2015	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
1186 Bobwhite Drive	Empty Lot	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	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
1194 Bobwhite Drive	Empty Lot	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	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	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	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

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Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
1359 Cardinal Lane	Empty Lot	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
			2/28/2019	N	< 0.80 U	8.9	70 J	< 0.80 U	4.4	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	FD	< 0.80 U	8.8	70 J	< 0.80 U	4.3	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1359MW02	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1359MW03	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	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
		BEALB1359MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1359MW05	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1360 Cardinal Lane	Empty Lot	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
			3/1/2019	N	1.7	18	55 J	< 0.80 U	1.9	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1360MW02	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			12/19/2018	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/1/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1360MW03	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/1/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1360MW04	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/1/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
1362 Cardinal Lane	Empty Lot	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
			12/8/2017	FD	4.7	36	160	< 0.80 U	43	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	3.5	19	74 J	< 0.80 U	1.5	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	FD	3.5	20	75 J	< 0.80 U	1.5	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1362MW02	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1362MW03	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1362MW04	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 UJ	< 0.10 U	< 0.10 UJ
			2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1370 Cardinal Lane	Empty Lot	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
			2/26/2019	N	< 0.80 U	< 0.80 U	1.4	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1370MW02	4/17/2018	N	< 0.80 U	4.4	46	< 0.80 U	< 0.80 U	0.054 J	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			2/26/2019	N	< 0.80 U	0.84 J	4.8 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	FD	< 0.80 U	0.45 J	3.1	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1370MW03	12/20/2018	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
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1370MW04	12/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/19/2018	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1370MW05	2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1382 Dove Lane	Empty Lot	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	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	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
			2/27/2019	N	< 0.80 U	11	260	< 0.80 U	0.63 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	< 0.80 U	7	48	< 0.80 U	1.4	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1385MW02	12/20/2018	N	< 0.80 U	3.6	31 J	< 0.80 U	1.1 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	< 0.80 U	10	60 J	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			2/28/2019	N	< 0.80 U	11	57	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1385MW03	2/28/2019	FD	< 0.80 U	11	62	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/19/2018	N	< 0.80 U	< 0.80 U	4.5 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/19/2018	FD	< 0.80 U	< 0.80 U	4.5 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1385MW04	2/28/2019	N	< 0.80 U	0.76 J	18	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/20/2018	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
		BEALB1385MW05	2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/20/2018	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
		BEALB1385MW06	2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/20/2018	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
		BEALB1385MW07	2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/19/2018	N	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.80 UJ	< 0.80 UJ	< 0.10 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1385MW08	2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			4/9/2019	N	< 0.80 U	1.7	100 J	< 0.80 UJ	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1385MW10	4/9/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U

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

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address				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										
1389 Dove Lane	Empty Lot	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
			2/27/2019	N	< 0.80 U	12	49	< 0.80 U	0.72 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1389MW02	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	< 0.80 U	< 0.80 U	0.60 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1389MW03	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1389MW04	12/17/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	< 0.80 U	< 0.80 U	0.54 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1389MW05	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	< 0.80 U	< 0.80 U	0.77 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1392 Dove Lane	Empty Lot	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
			12/8/2017	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
			2/27/2019	N	< 0.80 U	2	7.7	< 0.80 U	0.51 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1392MW02	12/15/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1392MW03	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1392MW04	12/14/2018	N	< 0.80 U	< 0.80 U	0.58 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1392MW05	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
12/14/2018	FD		< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U		
			2/26/2019	N	< 0.80 U	< 0.80 U	1.6	< 0.80 UJ	< 0.80 U	< 0.10 U	< 0.10 UJ	< 0.10 U	< 0.10 U	
1393 Dove Lane	Empty Lot	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
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1393MW02	12/20/2018	N	< 0.80 U	2.6	25 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	< 0.80 U	0.85 J	11	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1393MW03	12/20/2018	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
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1393MW04	12/20/2018	N	1.4	46	170 J	1.9	100 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	0.80 J	31	140	0.87 J	52	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	FD	0.85 J	34	150	0.99 J	61	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1393MW05	12/20/2018	N	< 0.80 U	< 0.80 U	0.41 J	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
		BEALB1393MW06	12/20/2018	N	< 0.80 U	< 0.80 U	9.0 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	1.4	27	98	0.60 J	33	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1393MW07	12/20/2018	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
			2/26/2019	N	< 0.80 U	< 0.80 U	1.8	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
BEALB1393MW08	12/20/2018	N	< 0.80 U	4.2	11 J	< 0.80 U	8.7 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U		
	12/20/2018	FD	< 0.80 U	4.2	11 J	< 0.80 U	9.1 J	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ		
			2/26/2019	N	< 0.80 U	12	41	< 0.80 U	13	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	
BEALB1393MW09			4/9/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	
BEALB1393MW10			4/9/2019	N	< 0.80 U	3.5	57 J	< 0.80 U	0.64 J	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	
1407 Eagle Lane	Empty Lot	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
			12/11/2017	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
			2/27/2019	N	< 0.80 U	< 0.80 U	3	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1407MW02	12/15/2018	N	< 0.80 U	< 0.80 U	4.6	< 0.80 U	< 0.80 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
			12/15/2018	FD	< 0.80 U	< 0.80 U	5.4	< 0.80 U	< 0.80 U	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ	< 1.0 UJ
			2/28/2019	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
		BEALB1407MW03	12/15/2018	N	< 0.80 U	< 0.80 U	11 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/28/2019	N	< 0.80 U	1.1	18	< 0.80 U	0.43 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1407MW04	12/15/2018	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
			2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1407MW05	12/15/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			2/27/2019	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1407MW06	12/15/2018	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
			2/28/2019	N	< 0.80 U	< 0.80 U	0.72 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1407MW07	12/15/2018	N	< 0.80 U	0.73 J	16	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
2/28/2019	N		< 0.80 U	0.87 J	17 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U		
BEALB1407MW08	12/15/2018	N	< 0.80 U	0.89 J	16	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U		
	2/28/2019	N	< 0.80 U	0.88 J	29	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U		
BEALB1407MW09			12/15/2018	N	< 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	
			2/28/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	
1411 Eagle Lane	Empty Lot	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	
1418 Albatross Drive	Empty Lot	BEALB1418MW01	12/7/2017	N	< 0									

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

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address	SCDHEC RBSLs			Benzene	Ethylbenzene	Napthalene	Toluene	Xylenes	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene
					5	700	25	1000	10000	10	10	10	10	10
		Well ID	Sample Date	Sample Type										
1420 Albatross Drive	Empty Lot	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
			2/27/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB1420MW02	12/14/2018	N	< 0.80 U	< 0.80 U	0.58 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1420MW03	12/14/2018	N	< 0.80 U	3.4	12	< 0.80 U	5.3	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	0.44 J	5.2	17	< 0.80 U	2.8	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1420MW04	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1420MW05	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			2/27/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1426 Albatross Drive	Empty Lot	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	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
			2/26/2019	N	< 0.80 U	3.8	16	< 0.80 U	0.83 J	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1429MW02	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1429MW03	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1429MW04	12/14/2018	N	< 0.80 U	< 0.80 U	0.58 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/14/2018	FD	< 0.80 U	< 0.80 U	0.56 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1429MW05	3/6/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1431 Dove Lane	480 Dove Lane	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
			2/25/2019	N	< 0.80 U	0.72 J	81	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1431MW02	12/14/2018	N	< 0.80 U	< 0.80 U	2.2	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	N	< 0.80 U	< 0.80 U	2.5	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1431MW03	12/13/2018	N	< 0.80 U	< 0.80 U	3.9	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	N	< 0.80 U	< 0.80 U	1	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1431MW04	12/13/2018	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	N	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.80 UJ	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1435 Dove Lane	500 Dove Lane	BEALB1435MW01	12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/13/2018	N	< 0.80 U	< 0.80 U	0.65 J	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW02	2/25/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/13/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW03	12/13/2018	N	< 0.80 U	< 0.80 U	73	< 0.80 U	2.2	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
			12/13/2018	FD	< 0.80 U	< 0.80 U	74	< 0.80 U	2.1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
1436 Dove Lane	Empty Lot	BEALB1435MW04	2/25/2019	N	< 0.80 U	< 0.80 U	73	< 0.80 U	2	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/13/2018	N	< 0.80 U	< 0.80 U	1	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW05	4/9/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 UJ	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			4/9/2019	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW06	4/9/2019	N	< 0.80 U	< 0.80 U	1.9 J	< 0.80 UJ	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			4/9/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW07	12/7/2017	N	< 0.80 U	0.49 J	9	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			12/7/2017	N	< 0.80 U	1.6	3.4	< 0.80 U	3	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1440MW01	12/7/2017	N	< 0.80 U	0.79 J	6.2	< 0.80 U	57	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1442 Dove Lane	Empty Lot	BEALB1442MW01	12/7/2017	N	< 0.80 U	0.79 J	6.2	< 0.80 U	57	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1444 Dove Lane	Empty Lot	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

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

Old Laurel Bay Military Housing Area Address	New Laurel Bay Military Housing Area Address				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										
1452 Cardinal Lane	567 Cardinal Lane	BEALB1452MW01	3/23/2017	N	< 0.80	< 0.80	< 0.80	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1452MW02	3/20/2018	N	< 0.80 U	3.9	45	< 0.80 U	17	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			2/26/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB1452MW03	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1452MW04	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	FD	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1452MW05	12/14/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/26/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1472 Cardinal Lane	743 Cardinal Lane	BEALB1472MW130	8/2/2013	N	3.3	13	37	0.33 J	19	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ
			8/2/2013	FD	3.2	13	37	0.32 J	18	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			9/12/2014	N	5.6	17	36	0.40 J	14 J	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.80 U
			9/12/2014	FD	5.8	19	40	0.42 J	18	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.80 U
		BEALB1472MW130R	3/24/2017	N	2.9	41	110	1.1	110	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
			3/24/2017	FD	2.6	39	110	1	100	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
			6/19/2017	N	2.6	NA	74	NA	NA	NA	NA	NA	NA	NA
			1/30/2018	N	2.3	NA	62 J	NA	NA	NA	NA	NA	NA	NA
			1/30/2018	FD	2.4	NA	56 J	NA	NA	NA	NA	NA	NA	NA
			2/26/2019	N/A	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP	NS - FP
		BEALB1472MW131	8/2/2013	N	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			9/12/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			6/19/2017	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/30/2018	N	< 0.80 U	NA	0.98 J	NA	NA	NA	NA	NA	NA	NA
			2/26/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1472MW132	8/2/2013	N	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			9/12/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			6/16/2017	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/30/2018	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			2/26/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1472MW143	8/2/2013	N	< 0.25 U	< 0.25 U	3.8	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			9/12/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			6/16/2017	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/29/2018	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			2/26/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1472MW144	8/2/2013	N	< 0.25 U	< 0.25 U	4.1	< 0.25 U	< 0.25 U	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ	< 0.11 UJ
			9/12/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			6/16/2017	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/29/2018	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			2/26/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1472MW145	8/1/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/12/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			6/16/2017	N	< 0.80 UJ	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/26/2018	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			2/26/2019	N	< 0.80 U	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA

Notes:
All units are in micrograms per liter (µg/L)
Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SC RBSL.
* - The VOC analyses were inadvertently cancelled for sample BEAL148MW01 in January 2018; however, there was a duplicate sample collected at this location (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

ALS ENVIRONMENTAL

RESULTS OF ANALYSIS

Page 1 of 1

Client: AECOM

Client Sample ID: BEALB1435SG01GS20141008

Client Project ID: JM30- Laurel Bay Military Housing Area, MCAS Beauf / 60272162.FI.WS

ALS Project ID: P1404131

ALS Sample ID: P1404131-013

Test Code: EPA TO-15

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

Analyst: Simon Cao

Sampling Media: 6.0 L Summa Canister

Test Notes:

Container ID: SC02005

Date Collected: 10/8/14

Date Received: 10/9/14

Date Analyzed: 10/13/14

Volume(s) Analyzed: 1.00 Liter(s)

Initial Pressure (psig): -3.39 Final Pressure (psig): 3.52

Canister Dilution Factor: 1.61

CAS #	Compound	Result µg/m ³	LOQ µg/m ³	LOD µg/m ³	MDL µg/m ³	Data Qualifier
71-43-2	Benzene	0.38	0.81	0.71	0.26	J
108-88-3	Toluene	0.31	0.81	0.68	0.27	J
100-41-4	Ethylbenzene	0.69	0.81	0.69	0.26	U
179601-23-1	m,p-Xylenes	1.4	1.6	1.4	0.48	U
95-47-6	o-Xylene	0.66	0.81	0.66	0.24	U
91-20-3	Naphthalene	0.66	0.81	0.66	0.29	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

April 1, 2014

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

RE: IGWA
Laurel Bay Underground Storage Tank Assessment Reports for:
See attached sheet

Dear Mr. Drawdy,

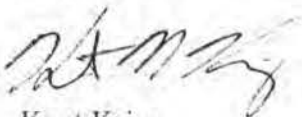
The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Underground Storage Tank Assessment Reports for the addresses listed above. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

The Department has reviewed the referenced assessment reports. The submitted analytical results indicate that petroleum constituents are above established Risk-Based Screening Levels and additional investigation is warranted. Specifically, the Department requests that a groundwater sampling proposal be generated to determine if there has been an impact to groundwater at this site.

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 kriegkm@gmail.com or 803-898-0255.

Sincerely,



Kent Krieg
Department of Defense Corrective Action Section
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

Cc: Russell Berry (via email)
Craig Ehde (via email)

Attachment to: Krieg to Drawdy
Subject: IGWA
Dated 4/1/2014

Laurel Bay Underground Storage Tank Assessment Reports for: (25 addresses/26 tanks)

1187 Bobwhite	1456 Cardinal
1431 Dove	1457 Cardinal
1433 Dove	1461 Cardinal
1435 Dove Tank #1	1465 Cardinal
1435 Dove Tank #2	1467 Cardinal
1437 Dove	1469 Cardinal
1439 Dove	1470 Cardinal
1441 Dove	1471 Cardinal
1447 Dove	1473 Cardinal
1449 Dove	1477 Cardinal
1451 Dove	1478 Cardinal
1452 Cardinal	1479 Cardinal
1454 Cardinal	1485 Cardinal



May 5, 2015

W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

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

RE: Correction - Recommendation Concurrence
Draft Final Initial Groundwater Investigation Report
Dated April 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 3 stated addresses. For the remaining 23 addresses, there is no indication of contamination on the property and therefore no further investigation is required at this time. *Note the correction to the attachment, properly referencing 1431 Dove and 1435 Dove Tank 1 and Tank 2 in the Permanent Monitoring Well Investigation recommendation section.*

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 kriegkm@dhec.sc.gov or 803-898-0255.

Sincerely,

Kent Krieg
Department of Defense Corrective Action Section
Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

Attachment: Specific Property Recommendations

Cc: Russell Berry (via email)
Craig Ehde (via email)
Bryan Beck (via email)



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

Attachment to: Krieg to Drawdy
Subject: Draft Final Initial Groundwater Investigation Report - April 2015
Specific Property Recommendations
Dated 5/5/2015

Draft Final Initial Groundwater Investigation Report for: (26 addresses/28 tanks)

Permanent Monitoring Well Investigation recommendation (3 addresses/4 tanks):	
1431 Dove	1435 Dove Tank 2
1435 Dove Tank 1	1452 Cardinal
No Further Action recommendation (23 addresses/24 tanks):	
1187 Bobwhite	1463 Cardinal
1433 Dove	1465 Cardinal
1437 Dove	1467 Cardinal
1439 Dove	1469 Cardinal
1441 Dove	1470 Cardinal
1447 Dove	1473 Cardinal
1449 Dove	1471 Cardinal
1451 Dove	1477 Cardinal
1454 Cardinal	1478 Cardinal
1456 Cardinal	1479 Cardinal Tank 1
1457 Cardinal	1479 Cardinal Tank 2
1461 Cardinal	1485 Cardinal



December 11, 2017

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

RE: Approved Response to Comments
Draft Final Revision 1 Groundwater Assessment Report March and April 2017
Laurel Bay Military Housing Area

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced report on November 2, 2017. 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 report. Based on this review, DHEC has not generated any additional comments.

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



August 14, 2019

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

RE: Approval Draft Final Groundwater Assessment Report, November and December 2018 and April 2019, Laurel Bay Military Housing Area, Multiple Properties
(CDM - AECOM Multimedia JV, dated July 2019)

Dear Mr. Vaigneur,

The South Carolina Department of Health and Environmental Control (DHEC) received the above referenced document on July 24, 2019. The regulatory authority for the investigation and cleanup of releases from these tank systems is the South Carolina Pollution Control Act (S.C. Code Ann. §48-1-10 et seq., as amended).

DHEC has not generated any comments and agrees with the conclusions and recommendations included in the document. The installation approval of the additional monitoring well at 1385 Dove Lane will need to be requested under separate cover.

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 Kent Krieg at kriegkm@dhec.sc.gov or 803-898-0255.

Sincerely,

Lisa Appel
RCRA Federal Facilities Section
Division of Waste Management

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



December 17, 2019

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

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

Dear Mr. Vaigneur,

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

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

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

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

Sincerely,

Lisa Appel
RCRA Federal Facilities Section
Division of Waste Management

Attachment

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



W. Marshall Taylor Jr., Acting Director

Promoting and protecting the health of the public and the environment

Bureau of Land and Waste Management
South Carolina Department of Health and Environmental Control

March 10, 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
Draft Final Technical Memorandum-Soil Gas Sampling Results
October 2014
Laurel Bay Military Housing Area

Dear Mr. Drawdy,

The South Carolina Department of Health and Environmental Control (the Department) received the above referenced soil gas sampling results for multiple former heating oil tank sites on February 2, 2015. During tank removal, contaminated soil had been observed at the former tank sites selected for this study. The purpose of this study was to evaluate whether the constituents observed in soil have potential for exposure and risk to residents through impacted vapor intrusion pathways. Sampling was performed at fourteen (14) former heating oil tank sites with a range of VOCs present in the soil at the time of tank removal. 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).

The Department has reviewed the soil gas sampling results. The Department has generated no comments on this report. 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
Department of Defense Corrective Action Section

Cc: Russell Berry, EQC Region 8
Shawn Dolan, Resolution Consultants

Attachment: Appel to Vaigneur, Dated December 17, 2019

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

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

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