SUMMARY REPORT
FORMER 1054 GARDENIA DRIVE (CURRENT EMPTY LOT)
LAUREL BAY MILITARY HOUSING AREA
MARINE CORPS AIR STATION BEAUFORT
BEAUFORT, SC

Revision: 0
Prepared for:

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

and

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

JUNE 2021

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Prepared by:

CDM - AECOM
Multimedia Joint Venture

CDM - AECOM Multimedia Joint Venture
10560 Arrowhead Drive, Suite 500
Fairfax, Virginia 22030

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CTO WE52
JUNE 2021

Table of Contents

Tables

Appendices

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
USACE	United States Army Corps of Engineers
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 former 1054 Gardenia Drive in order to monitor groundwater impacts from the former heating oil USTs. LTM consists of annual groundwater sampling and is currently being conducted at the referenced property. The following information is included in this report:

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

1.1 Background Information

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

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

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

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

The LBMH UST removal and assessment process is described below in Section 1.2. The LBMH multi-media investigation selection process tree, used to evaluate the environmental impact of USTs for most sites at LBMH, is presented in Appendix A. It should be noted that because the USTs were removed prior to 2007, the subject property of this report did not follow the typical multi-media investigation selection process presented in Appendix A.

It should also be noted that the house at the subject property has been demolished and the property is an empty lot. There are no current plans for construction in this area.

1.2 UST Removal and Assessment Process

As stated above, the assessment process at this property did not follow the typical process presented in Appendix A.

During the UST removal process, soil samples were 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 hydrocarbons (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.

Concurrently, a Tier 1 Assessment was also conducted, with soil borings advanced and permanent wells installed around the property. A soil sample was collected from each soil boring and a groundwater sample was collected from each permanent monitoring well. The soil and groundwater samples were analyzed for petroleum COPCs.

The results of the soil sampling at each former UST location and the soil and groundwater results obtained during the Tier 1 Assessment were used to determine the presence or absence of petroleum COPCs in soil and/or groundwater and identify whether former UST locations may require additional delineation of COPCs in groundwater. If COPCs are found to be present in a permanent well in excess of the SCDHEC RBSLs for groundwater, additional permanent wells are installed to delineate the extent of impact to groundwater and a sampling program (LTM) is established. Groundwater analytical results from permanent wells are also compared to the site specific groundwater vapor intrusion screening levels (VISLs) to evaluate the potential for vapor intrusion and the necessity for an investigation associated with this media.

2.0 SAMPLING ACTIVITIES AND RESULTS

The following section presents the sampling activities and associated results for former 1054 Gardenia Drive. The sampling activities at former 1054 Gardenia Drive comprised soil

investigations, installation and sampling of thirteen permanent monitoring wells, LTM sampling, and a vapor intrusion (VI) investigation. Details regarding the soil investigations at this site are provided in the *SCDHEC UST Assessment Report – 1054 Gardenia Drive* (MCAS Beaufort, 2002) and in the *Tier 1 Assessment of Underground Storage Tank Site 01794* (United States Army Corps of Engineers [USACE], 2002). The UST Assessment Report is provided in Appendix B. The laboratory reports that include the pertinent soil analytical results from the Tier 1 Assessment are included in Appendix C. Details regarding the permanent well installations and initial sampling activities at this site are provided in the following: *Tier 1 Assessment of Underground Storage Tank Site 01794* (USACE, 2002), *Addendum Sampling Event 1 for Tier 2 Assessment Report* (USACE, 2003), *Tier 2 Assessment of Underground Storage Tank Site 01794* (United States Army Corps of Engineers, 2004), and *Report of Findings for Laurel Bay Military Housing Area Investigation of Potential Impacts to Groundwater from Former Heating Oil Underground Storage Tanks* (Tetra Tech NUS, Inc, 2010). 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 from 2011 through 2019 is presented in Appendix E. Details regarding the VI investigation at this site are provided in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018). A copy of the United States Environmental Protection Agency's (USEPA's) VISL calculator input is presented in Appendix F.

2.1 UST Removal and Soil Sampling

In October 2001, three 280 gallon heating oil USTs were removed from the grassed area, adjacent to the carport at former 1054 Gardenia Drive. Tank 1 was removed on October 24, 2001. Tank 2 was removed on October 26, 2001. Tank 3 was removed on October 30, 2001. The former UST locations are indicated on the figures of the UST Assessment Report (Appendix B). The USTs were removed and properly disposed of (i.e., shipped offsite for recycling or transported to a landfill). There was no visual evidence (i.e., staining or sheen) of petroleum impact at the time of the UST removals. According to the UST Assessment Report (Appendix B), the depths to the bases of the USTs were 4'0" bgs (Tank 1), 5'0" bgs (Tank 2) and 4'0" bgs (Tank 3) and a single soil sample was collected from both the north end and the south end for each excavation from those depths. The samples were collected 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.

In November 2001, eight soil borings were advanced around the property at former 1054 Gardenia Drive. A soil sample was collected from each soil boring and shipped to an offsite laboratory for analysis of the petroleum COPCs. Further details are provided in the *Tier 1 Assessment of Underground Storage Tank Site 01794* (USACE, 2002).

2.2 Soil Analytical Results

A summary of the laboratory analytical results from the soil sampling conducted during the UST removals and SCDHEC RBSLs is presented in Table 1. A copy of the laboratory analytical data reports are included in the UST Assessment Report presented in Appendix B. A summary of the laboratory analytical results from the soil sampling conducted during the Tier 1 assessment and SCDHEC RBSLs is presented in Table 2. A copy of the laboratory analytical data reports are presented in Appendix C. The laboratory analytical data reports include 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, 2 and 3) 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, 2 and 3) at former 1054 Gardenia Drive were greater than the SCDHEC RBSLs, which indicated further investigation was required. In a letter dated February 10, 2002, SCDHEC requested additional assessment activities for former 1054 Gardenia Drive to delineate the extent of the petroleum COPCs. SCDHEC's request letter is provided in Appendix G.

During the November 2001 Tier 1 assessment, the soil results collected at SB-3, SB-4 and SB-6 from former 1054 Gardenia Drive were greater than the SCDHEC RBSLs (Table 2), which indicated that further investigation was required.

2.3 Permanent Well Groundwater Sampling

In November 2001, four permanent monitoring wells were installed at former 1054 Gardenia Drive, in accordance with the South Carolina Well Standards and Regulations (R.61-71.H-I, updated June 24, 2016). In order to provide data that can be used to determine whether

COPCs are migrating to underlying groundwater, a permanent monitoring well, MW-1, was placed in the same general location as the former heating oil USTs (Tanks 1, 2 and 3) . The former UST locations are indicated on the figures of the UST Assessment Report (Appendix B). Three additional permanent wells (MW-2, MW-3 and MW-4) were also installed at former 1054 Gardenia Drive to delineate potential groundwater contamination. Further details are provided in the *Tier 1 Assessment of Underground Storage Tank Site 01794* (USACE, 2002). The sampling strategy for this phase of the investigation required a one-time sampling event of the permanent monitoring wells.

On November 13, 2002, two additional permanent wells (MW-5 and MW-6) were installed at former 1054 Gardenia Drive to delineate potential groundwater contamination. Further details are provided in the *Addendum Sampling Event 1 for Tier 2 Assessment Report* (USACE, 2003). The sampling strategy for this phase of the investigation required an initial sampling event of the permanent monitoring wells and resampling of the permanent wells installed during the Tier 1 assessment.

On December 16, 2003, four additional permanent wells (MW-7, MW-8, MW-9 and DMW-1) were installed at former 1054 Gardenia Drive to delineate potential groundwater contamination. Further details are provided in the *Tier 2 Assessment of Underground Storage Tank Site 01794* (USACE, 2004). The sampling strategy for this phase of the investigation required an initial sampling event of the permanent monitoring wells and resampling of the permanent wells installed during the Tier 1 assessment.

On February 18, 2010, three additional permanent wells (MW127, MW128 and MW129) were installed at former 1054 Gardenia Drive to delineate potential groundwater contamination. Further details are provided in the *Report of Findings for Laurel Bay Military Housing Area Investigation of Potential Impacts to Groundwater from Former Heating Oil Underground Storage Tanks* (Tetra Tech NUS, Inc, 2010). 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 following: *Tier 1 Assessment of Underground Storage Tank Site 01794* (USACE, 2002), *Addendum Sampling Event 1 for Tier 2 Assessment Report* (USACE, 2003), *Tier 2 Assessment of Underground Storage Tank Site 01794* (USACE, 2004) and *Report of Findings for Laurel Bay Military Housing Area Investigation of Potential Impacts to*

Groundwater from Former Heating Oil Underground Storage Tanks (Tetra Tech NUS, Inc, 2010).

2.4 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 November 2001 Tier 1 assessment, the groundwater results collected from former 1054 Gardenia Drive at MW-1 were greater than the SCDHEC RBSLs (Table 2), which indicated that further investigation was required. In a letter dated September 8, 2002, SCDHEC requested the installation of additional permanent monitoring wells for former 1054 Gardenia Drive to delineate the impact to groundwater detected in the permanent well sample (MW-1). SCDHEC's request letter is provided in Appendix G.

During the November 2002 groundwater assessment, the groundwater results collected at MW-5 and MW-6 from former 1054 Gardenia Drive were greater than the SCDHEC RBSLs (Table 3), which indicated that further investigation was required. In a letter dated June 1, 2003, SCDHEC requested the installation of additional permanent monitoring wells for former 1054 Gardenia Drive to delineate the impact to groundwater detected in the permanent well samples. SCDHEC's request letter is provided in Appendix G.

During the December 2003 Tier 2 assessment, the groundwater results collected from the newly installed wells at former 1054 Gardenia Drive were less than the SCDHEC RBSLs (Table 3); however, the groundwater results collected from previously installed MW-1, MW-5 and MW-6 were greater than the SCDHEC RBSLs, which indicated that further investigation was required. Based on these results, a recommendation was made to conduct LTM at former 1054 Gardenia Drive. In a letter dated August 3, 2004, SCDHEC approved the LTM recommendation for former 1054 Gardenia Drive in order to monitor the impact to groundwater at this property. SCDHEC's approval letter is provided in Appendix G.

During the February 2010 groundwater assessment, the groundwater results collected from MW127, MW128 and MW129 at former 1054 Gardenia Drive 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 additional wells into the existing LTM program for former 1054 Gardenia Drive. In a letter dated April 6, 2011, SCDHEC approved the recommendation to add the additional permanent wells to the LTM program for former 1054

Gardenia Drive in order to monitor the impact to groundwater at this property. SCDHEC's approval letter is provided in Appendix G.

2.5 Long Term Monitoring

The LTM program at former 1054 Gardenia Drive consists of annual groundwater sampling at seven of the permanent monitoring wells (DMW-1, MW-2, MW-4, MW-7, MW127, MW128 and MW129). LTM sampling activities have been conducted semi-annually since 2002 and annually since 2006 at the referenced site. In a letter dated September 19, 2005, SCDHEC recommended that MW-8 and MW-9 should be abandoned. SCDHEC's recommendation letter is provided in Appendix G. During the 2010 investigation, MW-3, MW-5 and MW-6 were unable to be located, due to recent construction activities and MW-1 was found to be previously abandoned. Further details are provided in the *Report of Findings for Laurel Bay Military Housing Area Investigation of Potential Impacts to Groundwater from Former Heating Oil Underground Storage Tanks* (Tetra Tech NUS, Inc, 2010). 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 made for the site. During each LTM sampling event, groundwater samples were collected using low-flow methods and shipped to an offsite laboratory for analysis of the petroleum COPCs. In 2019, groundwater samples were collected from former 1054 Gardenia Drive and analyzed for naphthalene only. The remaining petroleum COPCs (benzene, ethylbenzene, toluene, xylenes, and select PAHs) were previously removed from the LTM program for former 1054 Gardenia Drive since they have not been detected at concentrations above the applicable RBSLs in groundwater at any of the monitoring well locations. Field forms from the most recent sampling event in February and March 2019 are provided in the *2019 Groundwater Monitoring Report* (Resolution Consultants, 2019).

2.6 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 from 2011 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 former 1054 Gardenia Drive from at least one of the monitoring wells were greater than the SCDHEC RBSLs and/or the site specific groundwater VISLs (Table 4) during the 2011, 2013, 2014, 2015, 2016, 2017, 2018 and 2019 groundwater sampling events. This indicated LTM was required to continue at the property to further assess the impact in groundwater by COPCs associated with the former USTs (Tanks 1, 2 and 3) 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 former 1054 Gardenia Drive in order to monitor groundwater impacts from the former heating oil USTs. SCDHEC's approval letter is provided in Appendix G.

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

2.7 Soil Gas Sampling

On May 3, 2017, two temporary subsurface soil gas wells were attempted to be installed at former 1054 Gardenia Drive in accordance with the SCDHEC approved *Uniform Federal Policy Sampling and Analysis Plan (UFP SAP) for Vapor Media, Revision 4* (Resolution Consultants, 2017). A subsurface soil gas well was attempted to be placed in the same general location as the former heating oil USTs (Tanks 1 and 2). A second subsurface soil gas well was attempted to be placed in the same general location as the former heating oil UST (Tank 3) and near MW127. Both subsurface soil gas wells were unable to be installed due to shallow groundwater at the location. The former UST locations are indicated on the figures of the UST Assessment Report (Appendix B). Further details are provided in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018).

2.8 Soil Gas Analytical Results

A soil gas sample was unable to be collected from former 1054 Gardenia Drive due to shallow groundwater. This property is an empty lot and therefore could not move onto the next VI sampling phase (i.e., sub-slab sampling). Results from the June 2017 annual groundwater monitoring were used to evaluate the potential for VI, to account for a hypothetical future scenario in which redevelopment occurs at this property. The USEPA's VISL calculator (USEPA,

2018) was used to calculate a resident air screening level for naphthalene and was developed based on the USEPA's Residential Air Regional Screening Levels (RSLs) (USEPA, 2017). A detailed evaluation is presented in the *Letter Report Petroleum Vapor Intrusion Investigations – April 2017 through February 2018* (Resolution Consultants, 2018). A copy of the USEPA's VISL calculator input is included in Appendix F.

The report concluded that there was no unacceptable risk based on the results of the most recent groundwater sampling event (June 2017). The report recommended that no further VI assessments were necessary at former 1054 Gardenia Drive as there are no current or future redevelopment plans. If the site conditions change, further VI investigations may be deemed necessary.

3.0 PROPERTY STATUS

The house at former 1054 Gardenia Drive 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 former 1054 Gardenia Drive to further assess the impact in groundwater by COPCs associated with the former USTs. Groundwater monitoring results for this site beyond 2019 will be available on the Laurel Bay Health Study website, which is located at: https://www.beaufort.marines.mil/Resources/Laurel-Bay-Health-Study/. Based on the risk assessment performed for VI, 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 former 1054 Gardenia Drive in a letter dated August 29, 2018. SCDHEC's letter is provided in Appendix G.

4.0 REFERENCES

Marine Corps Air Station Beaufort, 2002. *South Carolina Department of Health and Environmental Control (SCDHEC) Underground Storage Tank Assessment Report –1054 Gardenia Drive, Laurel Bay Military Housing Area*, January 2002.

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

Tables

Table 1
Laboratory Analytical Results - Soil - UST Removal Report
Empty Lot (Formerly 1054 Gardenia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 10/26/01 and 10/30/01					
		LB1054 BS 10/26/01	LB1054 BN 10/26/01	LB1054 AS 10/26/01	LB1054 AN 10/26/01	LB1054CNE 10/30/01	LB1054CSW 10/30/01
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)							
Benzene	0.003	**0.397**	ND	ND	ND	ND	ND
Ethylbenzene	1.15	**8.52**	**5.81**	**0.255**	ND	ND	**79**
Naphthalene	0.036	**30.2**	**29.9**	**1.25**	**0.00116**	ND	**587**
Toluene	0.627	ND	ND	ND	ND	ND	ND
Xylenes, Total	13.01	**23**	**15.8**	**0.804**	ND	ND	**184**
Semivolatile Organic Compounds Analyzed by EPA Method 8270C (mg/kg)							
Benzo(a)anthracene	0.066	ND	**0.66**	**0.0535**	ND	ND	ND
Benzo(b)fluoranthene	0.066	**3.12**	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.066	ND	**0.366**	ND	ND	ND	ND
Chrysene	0.066	ND	**0.661**	**0.0439**	ND	ND	**0.363**
Dibenz(a,h)anthracene	0.066	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 1.0 (SCDHEC, May 2001).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 2
Laboratory Analytical Results - Soil - Tier 1 Assessment
Empty Lot (Formerly 1054 Gardenia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Results Samples Collected 11/01/2001 and 11/02/2001							
		1054-SB-1 11/01/01	1054-SB-2 11/01/01	1054-SB-3 11/01/01	1054-SB-4 11/01/01	1054-SB-5 11/02/01	1054-SB-6 11/02/01	1054-SB-7 11/02/01	1054-SB-8 11/02/01
Volatile Organic Compounds Analyzed by EPA Method 8260B (mg/kg)									
Benzene	0.007	ND	ND	ND	**0.0034**	ND	ND	ND	ND
Ethylbenzene	1.15	**0.0097**	ND	ND	**0.013**	ND	**0.31**	ND	ND
Naphthalene	0.036	**0.0044**	**0.018**	**0.046**	**0.048**	**0.003**	**5.7**	**0.0013**	ND
Toluene	1.45	**0.0066**	ND	ND	ND	**0.024**	**0.058**	ND	ND
Xylenes, Total	14.5	**0.017**	**0.002**	ND	**0.036**	**0.0022**	**1.2**	ND	ND
Semivolatile Organic Compounds Analyzed by EPA Method 8270C (mg/kg)									
Benzo(a)anthracene	0.066	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	0.066	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	0.066	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	0.066	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracene	0.066	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

[1] South Carolina Risk-Based Screening Level for Petroleum Releases Guidance Document (SCDHEC, May 2001).

Bold font indicates the analyte was detected.

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

EPA - United States Environmental Protection Agency

mg/kg - milligrams per kilogram

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

RBSL - Risk-Based Screening Level

SCDHEC - South Carolina Department Of Health and Environmental Control

Table 3
Laboratory Analytical Results - Permanent Monitoring Well Groundwater
Empty Lot (Formerly 1054 Gardenia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	SCDHEC RBSLs [1]	Site-Specific Groundwater VISLs[2]	Results Samples Collected 2001, 2002, 2004 and 2010													
			MW-1 11/09/01	MW-2 11/09/01	MW-3 11/09/01	MW-4 11/09/01	MW-5 12/18/02	MW-6 12/18/02	MW-7 01/06/04	MW-8 01/07/04	MW-9 01/07/04	DMW-1 01/06/04	MW127 03/05/10	MW128 03/05/10	MW129 03/05/10
Volatile Organic Compounds Analyzed by EPA Method 8260B (µg/L)																
Benzene	5	16.24	**5.8**	ND	ND	ND	**16.2**	**11.5**	ND	ND	ND	ND	ND	**0.34**	**0.75**
Ethylbenzene	700	45.95	**27**	ND	ND	ND	**40.4**	**58.5**	ND	ND	ND	ND	**4.78**	**7.4**	**26.5**
Naphthalene	25	29.33	**98**	**12.0**	**2.2**	ND	**76**	**209.0**	ND	**9.0**	**1.5**	ND	**31.5**	**26**	**75.4**
Toluene	1000	105,445	ND	ND	ND	ND	**1.1**	**16.9**	ND	ND	ND	ND	ND	**0.41**	**7.32**
Xylenes, Total	10,000	2,133	**88**	**2.5**	ND	ND	**28.4**	**30.5**	ND	ND	ND	ND	**3.28**	**13.5**	**69.3**
Semivolatile Organic Compounds Analyzed by EPA Method 8270C (µg/L)																
Benzo(a)anthracene	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	10	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenz(a,h)anthracen	10	NA	ND	ND	ND	ND	ND	ND	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 1.0 (SCDHEC, May 2001).

[2] Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of $1x10^{-5}$, 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
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 Contro
µg/L - micrograms per liter
Underlined font indicates the monitoring well has since been abandoned.
VISL - Vapor Intrusion Screening Level

Table 4
Laboratory Analytical Results - Long Term Monitoring
Empty Lot (Formerly 1054 Gardenia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent		Benzene	Ethylbenzene	Naphthalene	Toluene	Xylenes	Benzo(a) anthracene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenz(a,h) anthracene
SCDHEC RBSLs [1] (µg/L)		5	700	25	1000	10,000	10	10	10	10	10
Site-Specific Groundwater VISLs [2] (µg/L)		16.24	45.95	29.33	105,445	2,133	N/A	N/A	N/A	N/A	N/A
Well ID	Sample Date										
BEALB1054DMW1	11/8/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/1/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/11/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/16/2015	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	NA	NA	**0.99**	NA	NA	NA	NA	NA	NA	NA
	6/19/2017	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	1/25/2018	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	3/4/2019	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
BEALB1054MW2	11/8/2011	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND	ND
	8/1/2013	ND	ND	**3.7**	ND	ND	ND	ND	ND	ND	ND
	9/11/2014	ND	ND	**0.45**	ND	ND	ND	ND	ND	ND	ND
	9/16/2015	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	6/19/2017	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	1/25/2018	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	3/4/2019	NA	NA	**0.58**	NA	NA	NA	NA	NA	NA	NA
BEALB1054MW4	11/9/2011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	8/1/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/11/2014	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	9/16/2015	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	7/28/2016	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	6/19/2017	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	1/25/2018	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	3/4/2019	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
BEALB1054MW7	11/8/2011	ND	ND	ND	**0.17**	ND	ND	ND	ND	ND	ND
	8/1/2013	ND	ND	**3.6**	ND	ND	ND	ND	ND	ND	ND
	9/11/2014	ND	ND	ND	**1.5**	ND	ND	ND	ND	ND	ND
	9/16/2015	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	6/19/2017	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	1/25/2018	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
	3/4/2019	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA
BEALB1054MW127	11/7/2011	ND	**3.8**	**18**	ND	**1.6**	ND	ND	ND	ND	ND
	8/1/2013	ND	**2.5**	**25**	ND	**0.62**	ND	ND	ND	ND	ND
	9/11/2014	ND	**2.3**	**15**	ND	**1.1**	ND	ND	ND	ND	ND
	9/16/2015	ND	NA	**17**	NA	NA	NA	NA	NA	NA	NA
	7/28/2016	NA	NA	**8.3**	NA	NA	NA	NA	NA	NA	NA
	6/19/2017	NA	NA	**7.2**	NA	NA	NA	NA	NA	NA	NA
	1/25/2018	NA	NA	**8.7**	NA	NA	NA	NA	NA	NA	NA
	3/4/2019	NA	NA	**5.4**	NA	NA	NA	NA	NA	NA	NA
BEALB1054MW128	11/7/2011	ND	**5.8**	**43**	ND	**4.1**	ND	ND	ND	ND	ND
	8/1/2013	ND	**4.4**	**42**	**0.20**	**6.3**	ND	ND	ND	ND	ND
	9/11/2014	ND	**2.4**	**18**	ND	**2.5**	ND	ND	ND	ND	ND
	9/16/2015	ND	NA	**23**	NA	NA	NA	NA	NA	NA	NA
	7/27/2016	NA	NA	**4.9**	NA	NA	NA	NA	NA	NA	NA
	6/19/2017	NA	NA	**13**	NA	NA	NA	NA	NA	NA	NA
	1/25/2018	NA	NA	**7.0**	NA	NA	NA	NA	NA	NA	NA
	3/4/2019	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA
BEALB1054MW129	11/8/2011	**0.28**	**17**	**77**	**1**	**26**	ND	ND	ND	ND	ND
	8/1/2013	**0.32**	**18**	**73**	**2.1**	**35**	ND	ND	ND	ND	ND
	9/11/2014	**0.19**	**13**	**54**	**1.3**	**25**	ND	ND	ND	ND	ND
	9/16/2015	ND	NA	**54**	NA	NA	NA	NA	NA	NA	NA
	7/28/2016	NA	NA	**29**	NA	NA	NA	NA	NA	NA	NA
	6/19/2017	NA	NA	**31**	NA	NA	NA	NA	NA	NA	NA
	1/25/2018	NA	NA	**41**	NA	NA	NA	NA	NA	NA	NA
	3/5/2019	NA	NA	**45**	NA	NA	NA	NA	NA	NA	NA

Notes:

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

[2] Site-specific groundwater VISLs were calculated using the EPA JE Model Spreadsheets (Version 3.1, February 2004) and conservative modeling inputs representative of a small single-story house with an 8 foot ceiling. Site-specific groundwater VISLs were developed based on a target risk level of $1x10^{-6}$, a target hazard quotient of 1 (per target organ), and a default residential exposure scenario, assuming exposure for 24 hours/day, 350 days/year, for 26 years. Modeling was performed for a range of depths to groundwater for application as appropriate in different areas of the Laurel Bay Military Housing Area. The most conservative levels are presented for comparison. Refer to Appendix H of the Uniform Federal Policy Sampling Analysis and Sampling Plan for Vapor Media, Revision 4 (Resolution Consultants, April 2017) for additional information.

Bold font indicates the analyte was detected.
Bold font and shading indicates the concentration exceeds the SCDHEC RBSL and/or the Site-Specific Groundwater VISL.
JE - Johnson & Ettinger
N/A - not applicable
NA - not analyzed
ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). A comprehensive table of the historical groundwater analytical results for all permanent monitoring wells at the site through 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
Empty Lot (Formerly 1054 Gardenia Drive)
Laurel Bay Military Housing Area
Marine Corps Air Station Beaufort
Beaufort, South Carolina

Constituent	USEPA VISL [(1)]	Unable to install soil vapor well due to shallow groundwater	
		SG01 Not sampled	SG03 Not sampled
Volatile Organic Compounds Analyzed by USEPA Method TO-15 (µg/m^3)			
Benzene	12	-	-
Toluene	17000	**-**	-
Ethylbenzene	37	-	**-**
m,p-Xylenes	350	-	**-**
o-Xylene	350	-	**-**
Naphthalene	2.8	**-**	**-**

Notes:

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

VISLs are based on a residual exposure scenario and a target risk level of $1x10^{-6}$ and a hazard quotient of 0.1.

Bold font indicates the analyte was detected.

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

ND - not detected at the reporting limit (or method detection limit if shown on the laboratory report). The USEPA's VISL Calculator input is provided in Appendix F.

RBSL - Risk-Based Screening Level

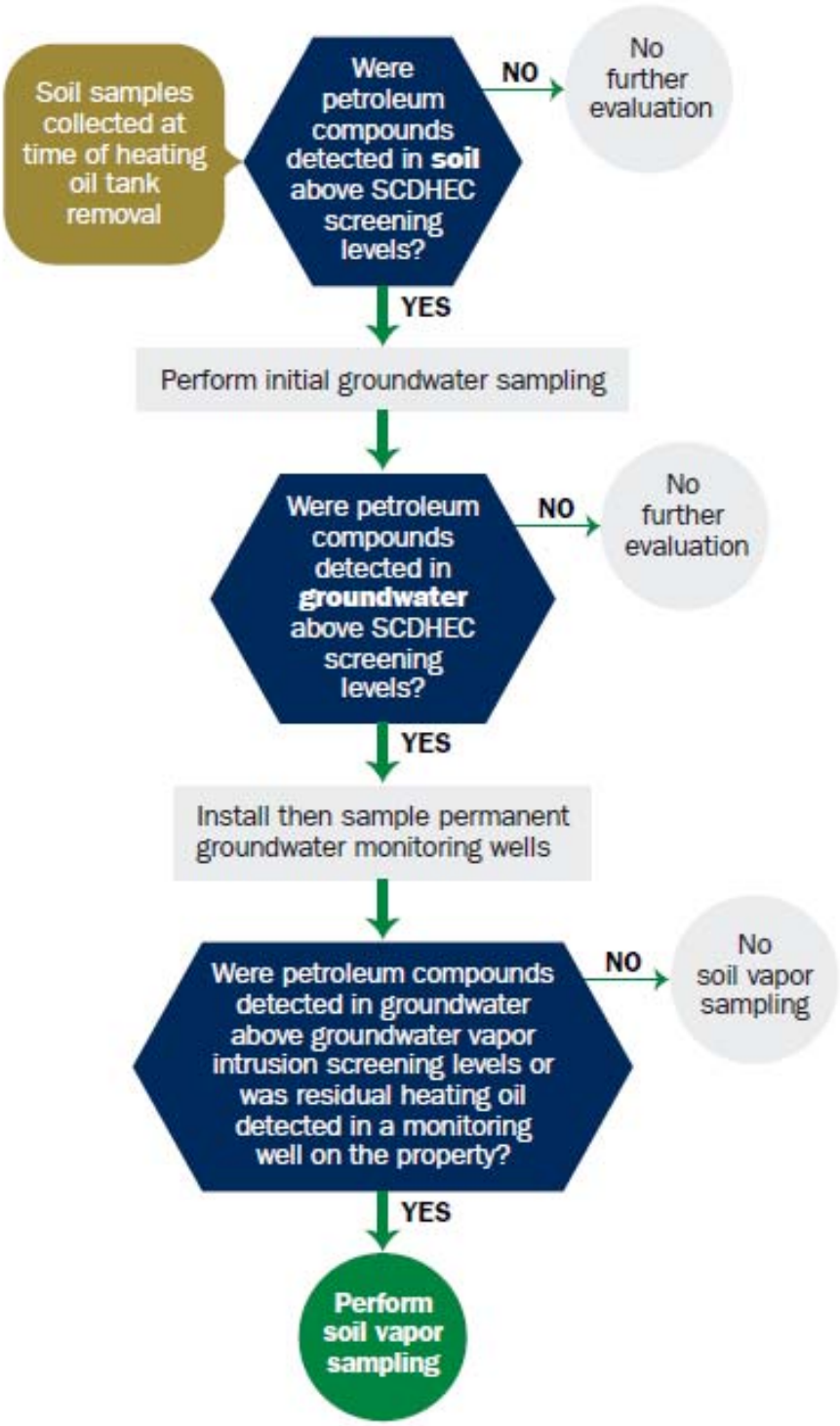
µg/m^3 - micrograms per cubic meter

USEPA - United States Environmental Protection Agency

VISL - Vapor Intrusion Screening Level

Appendix A
Multi-Media Selection Process for LBMH

CDM - AECOM
Multimedia Joint Venture



Appendix A - Multi-Media Selection Process for LBMH

Appendix B
UST Assessment Report

CDM - AECOM
Multimedia Joint Venture

South Carolina Department of Health and Environmental Control (S.C.D.H.E.C.)
Underground Storage Tank (UST) Assessment Report

Submit Completed Form to:

Date Received State Use Only

UST Regulatory Section
SCDHEC
2600 Bull Street
Columbia, South Carolina 29201
Telephone (803) 898-4350

I OWNERSHIP OF UST(S)

Agency/Owner: Commanding Officer Attn NREAO (Jim White)

Mailing Address: P.O. Box 55001

City: Beaufort State: SC Zip Code: 29904-5001

Area Code: 843 Telephone Number: 228-7694 Contact Person: Jim White

II SITE IDENTIFICATION AND LOCATION

Site I.D. #: SC 1750216169

Facility Name: MCAS Beaufort SC

Street Address: 1054 Gardenia Drive

City: Beaufort County: Beaufort

III CLOSURE INFORMATION

Closure Started: 10/24/01 Closure Completed: 10/30/01

~~Number of USTs Closed: 3~~

N/A — Consultant

EEG, Inc. — UST Removal Contractor

IV. CERTIFICATION (Read and Sign after completing entire submittal)

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.

Alice G. Howard
Name (Type or Print)

Alice G. Howard
Signature

V. UST INFORMATION

		Tank A	Tank B	Tank C	Tank 4	Tank 5
A.	Product.....	Diesel	Diesel	Diesel		
B.	Capacity.....	280 gal.	300 gal.	300 gal.		
C.	Age.....	Unknown	Unk.	Unk.		
D.	Construction Material.....	Steel	Steel	Steel		
E.	Month/Year of Last Use.....	Unknown	Unk.	Unk.		
F.	Depth (ft.) To Base of Tank.....	4 ft.	5 ft.	4ft.		
G.	Spill Prevention Equipment Y/N.....	N	N	N		
H..	Overfill Prevention Equipment Y/N.....	N	N	N		
I.	Method of Closure Removed/Filled.....	R	R	R		
J.	Date Tanks Removed/Filled.....	10/24/01	10/26/01	10/30/01		
K.	Visible Corrosion or Pitting Y/N.....	Y	Y	Y		
L.	Visible Holes Y/N.....	Y	Y	Y		

M. Method of disposal for any USTs removed from the ground (attach disposal manifests)

Tank ends were cut open and sludge and contaminated soil was removed from Tank C only. Tanks were then cleaned and disposed of as scrap.

N. Method of disposal for any liquid petroleum, sludges, or waste waters removed from the USTs (attach disposal manifests)

Fuel was pumped and handled by MCAS Beaufort NREAO. Sludge and petroleum contaminated soils from the excavation and Tank C were sampled and disposed of at Hickory Hill Landfill.

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

Tank A : A gouge on southeast corner made by trenching equipment when tank was discovered by previous contractor during geothermal well installation; holes in end seams, sides and ends.

Continued on attached Sheet

O. Condition of tanks, continued

Tank B : Holes in tank end seams, sides and ends.

Tank C : An opening approximately 12" x 40" was found in the top of the tank; interior of the tank was filled with soil which had been contaminated by residual tank contents.

VI. PIPING INFORMATION

	Tank A	Tank B	Tank C	Tank 4	Tank 5
A. Construction Material**	Steel/Cu	Steel/Cu	Steel/Cu		
B. Distance from UST to Dispenser	20 ft.*	20 ft.*	20 ft.*		
C. Number of Dispensers	1*	1*	1*		
D. Type of System P/S	S	S	S		
E. Was Piping Removed from the Ground? Y/N	Y	Y	N		
F. Visible Corrosion or Pitting Y/N	Y	Y	Y		
G. Visible Holes Y/N	Y	Y	Y		
H. Age	Unknown	Unk.	Unk.		

* These three tanks supplied heating fuel to the residence at 1054 Gardenia Drive.

** Steel vent and fill piping, Copper supply and return lines.

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

All lines had extensive corrosion and numerous holes.

VII. BRIEF SITE DESCRIPTION AND HISTORY

Site is a grass covered area behind a residence. One UST, Tank A was known to exist at the site and the presence at the site of a second UST, Tank B, was suspected. Site was disturbed by geothermal well installation and trenching prior to removal of the USTs. Both USTs had been previously closed in place.

During installation of a groundwater-to-air heat pump system, Tank A was struck and damaged by trenching equipment. Actions were initiated to remove Tanks A and B, and a third UST, Tank C, was discovered at the site during the removal of petroleum contaminated soil surrounding Tank A. Tank C was found 18" from tank A.

Tanks A and B were removed first, then the excavation was backfilled and compacted on Friday 10/26/01 to secure the site for the weekend. The following Monday, 10/29/01, Tank C was excavated and removed, and the final excavation backfilled and compacted.

All remaining piping connected to the tanks did not extend beyond the boundaries of the UST removal excavation.

VIII. 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. 4'	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.) **Strong**	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*		

* During removal of petroleum contaminated soil after tank removal, the capillary fringe above the water table was violated, causing seepage of water into the excavation. Water was pumped from the excavation by MCAS Beaufort NREAO (Natural Resources Environmental Affairs Office) personnel for disposal.

IX. SAMPLE INFORMATION

A. SCDHEC Lab Certification Number 10120

B.

Sample #	Location	Sample Type (Soil/Water)	Soil Type (Sand/Clay)	Depth*	Date/Time of Collection	Collected By	OVA#
LB1054BS	South end of Tank B	Soil	Sand	5 ft.	10/26/01	R W Cope	Not Taken
LB1054BN	North end of Tank B	Soil	Sand	5 ft.	10/26/01	R W Cope	Not Taken
LB1054AS	South end of Tank A	Soil	Sand	4 ft.	10/26/01	R W Cope	Not Taken
LB1054AN	North end of Tank A	Soil	Sand	4 ft.	10/26/01	R W Cope	Not Taken
LB1054CSW	South end of Tank C	Soil	Sand	4 ft.	10/29/01	R W Cope	Not Taken
LB1054CNE	North end of Tank C	Soil	Sand	4 ft.	10/29/01	R W Cope	Not Taken
LB1054 Soil	Waste soil in dumpster	Soil	Sand	NA	10/26/01	R W Cope	Not Taken

* = Depth Below the Surrounding Land Surface

X. SAMPLING METHODOLOGY

Provide a detailed description of the methods used to collect and store (preserve) the samples.

After the removal of Tanks A, B and C, soil samples were taken at the end of each tank in accordance with SC DHEC R.61-92 Part 280 and SC DHEC UST Assessment Guidelines.

Sample jars were prepared by the testing laboratory. For samples analyzed for semi-volatile compounds, the grab method was utilized to fill the sample containers leaving as little head space as possible and immediately capped. Samples for volatiles were taken using the Encore sampler and T-handle.

The samples were marked, logged, and immediately placed in sample coolers packed with ice to maintain an approximate temperature of 4° C. Tools were thoroughly cleaned and decontaminated with organic-free soap and water after each sample.

The samples remained in the custody of EEG, Inc. until they were transferred to General Engineering Laboratories for analysis as documented in the attached Chain-of-Custody Record.

XI. RECEPTORS

		Yes	No
A.	Are there any lakes, ponds, streams, or wetlands located within 1000 feet of the UST system? If yes, indicate type of receptor, distance, and direction on site map.		N
B.	Are there any public, private, or irrigation water supply wells within 1000 feet of the UST system? **Geothermal well** If yes, indicate type of well, distance, and direction on site map.	Y	
C.	Are there any underground structures (e.g., basements) located within 100 feet of the UST system? If yes, indicate the type of structure, distance, and direction on site map.		N
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? **Gas** If yes, indicate the type of utility, distance, and direction on the site map.	Y	
E.	Has contaminated soil been identified at a depth of 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.	Y*	

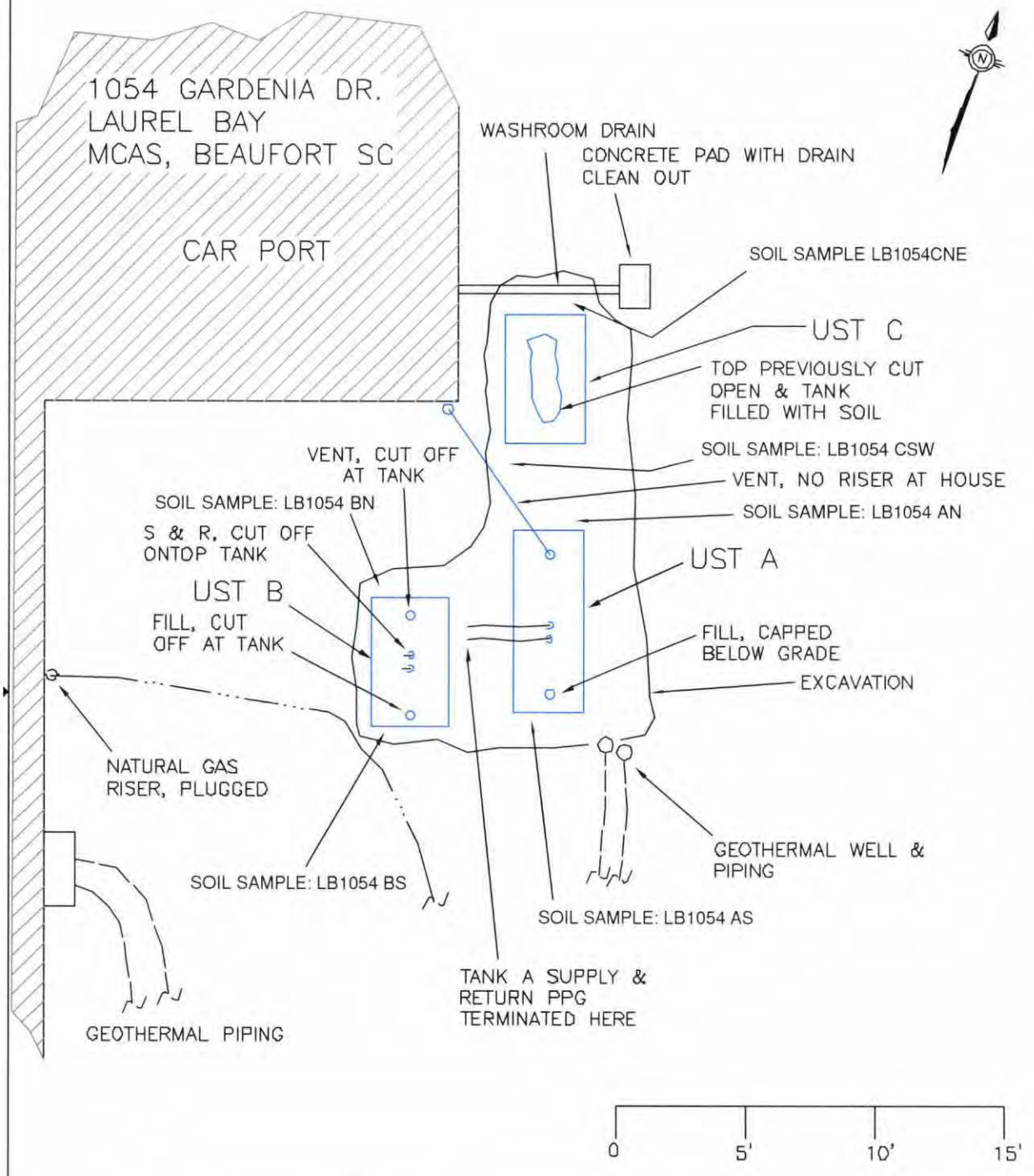
* Contaminated soil was identified approximately 2 to 3 feet below land surface using FID VOA method.

Attachment I

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.

Site Map 1
Photographs A, B, C and D



EEG, INC
Environmental & Construction Services

ENVIRONMENTAL ENTERPRISE GROUP, INC.
1949 AVENUE D
N. CHARLESTON, SC 29402-2106

UST SITE MAP
1054 GARDENIA DRIVE
LAUREL BAY
MCAS BEAUFORT, SC

DRAWN BY: L. DIASIO	SIZE A	DWG NO. BFORT_LAURLBAY_1	REV
CHECKED BY: R. COPE	SCALE GRAPHIC	DATE 16 NOV 2001	SHEET 1 OF 1

Photograph A
Removed USTs - Tank C in Foreground, Tanks A and B in Background

Photograph B
Tank A Showing Damage

Photograph C
Section of Tank A On Ground After Tank Was Cut Up
(date is in error)

Photograph E
Tank B Cut Up in Foreground, Tank C in Background
(date is in error)

Attachment II

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.

Certified Analytical Results
Chain-of-Custody
Soil Compaction Test After Backfill

GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 8, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	LB1054 BS	Project:	EEGI00100
Sample ID:	51008001	Client ID:	EEGI001
Matrix:	Soil		
Collect Date:	26-OCT-01		
Receive Date:	26-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Semi-Volatiles-GC/MS								
3550/8270 PAH STD LIST IN Soil								
Acenaphthene	<	667	ug/kg	SW846 8270C	KGB1	10/30/01	2228	117289
Acenaphthylene	<	667	ug/kg					
Anthracene	<	667	ug/kg					
Benzo(a)anthracene	<	667	ug/kg					
Benzo(a)pyrene	<	667	ug/kg					
Benzo(b)fluoranthene		3120	ug/kg					
Benzo(ghi)perylene	<	667	ug/kg					
Benzo(k)fluoranthene	<	667	ug/kg					
Chrysene	<	667	ug/kg					
Dibenzo(a,h)anthracene	<	667	ug/kg					
Fluoranthene		1940	ug/kg					
Fluorene	<	667	ug/kg					
Indeno(1,2,3-cd)pyrene	<	667	ug/kg					
Phenanthrene		15400	ug/kg					
Pyrene		2180	ug/kg					
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene		397	ug/kg	SW846 8260B	DLS	11/01/01	2226	118132
Ethylbenzene		8520	ug/kg					
Toluene	<	185	ug/kg					
tert-Butyl methyl ether	<	185	ug/kg					
Naphthalene		30200	ug/kg	SW846 8260B	DLS	11/02/01	1249	118132
Xylenes (total)		23000	ug/kg					

Notes:
The Qualifiers in this report are defined as follows :
< indicates the result is less than the Reporting Limit (RL).
The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Tom Seabrook.

Reviewed by

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407
(843) 556-8171 • Fax (843) 766-1178

GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 8, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	LB1054 BN	Project:	EEGI00100
Sample ID:	51008002	Client ID:	EEGI001
Matrix:	Soil		
Collect Date:	26-OCT-01		
Receive Date:	26-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Semi-Volatiles-GC/MS								
3550/8270 PAH STD LIST IN Soil								
Acenaphthene		6050	ug/kg	SW846 8270C	EH1	11/01/01	1028	117289
Acenaphthylene		3950	ug/kg					
Anthracene		20400	ug/kg					
Benzo(a)anthracene		660	ug/kg					
Benzo(a)pyrene	<	333	ug/kg					
Benzo(b)fluoranthene	<	333	ug/kg					
Benzo(ghi)perylene	<	333	ug/kg					
Benzo(k)fluoranthene		366	ug/kg					
Chrysene		661	ug/kg					
Dibenzo(a,h)anthracene	<	333	ug/kg					
Fluoranthene		1770	ug/kg					
Fluorene		11400	ug/kg					
Indeno(1,2,3-cd)pyrene	<	333	ug/kg					
Phenanthrene		23100	ug/kg					
Pyrene		2550	ug/kg					
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene	<	192	ug/kg	SW846 8260B	DLS	11/01/01	2254	118132
Ethylbenzene		5810	ug/kg					
Toluene	<	192	ug/kg					
Xylenes (total)		15800	ug/kg					
tert-Butyl methyl ether	<	192	ug/kg					
Naphthalene		29900	ug/kg	SW846 8260B	DLS	11/02/01	1531	118132

Notes:
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The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Tom Seabrook.

Reviewed by

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29407
(843) 556-8171 • Fax (843) 766-1178

GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 8, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	LB1054 AS	Project:	EEGI00100
Sample ID:	51008003	Client ID:	EEGI001
Matrix:	Soil		
Collect Date:	26-OCT-01		
Receive Date:	26-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Semi-Volatiles-GC/MS								
3550/8270 PAH STD LIST IN Soil								
Acenaphthene	<	33.3	ug/kg	SW846 8270C	KGB1	10/30/01	1700	117289
Acenaphthylene	<	33.3	ug/kg					
Anthracene	<	33.3	ug/kg					
Benzo(a)anthracene		53.5	ug/kg					
Benzo(a)pyrene		98.3	ug/kg					
Benzo(b)fluoranthene	<	33.3	ug/kg					
Benzo(ghi)perylene	<	33.3	ug/kg					
Benzo(k)fluoranthene		187	ug/kg					
Chrysene		43.9	ug/kg					
Dibenzo(a,h)anthracene	<	33.3	ug/kg					
Fluoranthene		136	ug/kg					
Fluorene		824	ug/kg					
Indeno(1,2,3-cd)pyrene	<	33.3	ug/kg					
Phenanthrene		1590	ug/kg					
Pyrene		200	ug/kg					
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene	<	167	ug/kg	SW846 8260B	DLS	11/02/01	1625	118132
Ethylbenzene		255	ug/kg					
Naphthalene		1250	ug/kg					
Toluene	<	167	ug/kg					
Xylenes (total)		804	ug/kg					
tert-Butyl methyl ether	<	167	ug/kg					

Notes:
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Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 8, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	LB1054 AN	Project:	EEGI00100
Sample ID:	51008004	Client ID:	EEGI001
Matrix:	Soil		
Collect Date:	26-OCT-01		
Receive Date:	26-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Semi-Volatiles-GC/MS								
3550/8270 PAH STD LIST IN Soil								
Acenaphthene	<	33.3	ug/kg	SW846 8270C	KGB1	10/30/01	1722	117289
Acenaphthylene	<	33.3	ug/kg					
Anthracene	<	33.3	ug/kg					
Benzo(a)anthracene	<	33.3	ug/kg					
Benzo(a)pyrene	<	33.3	ug/kg					
Benzo(b)fluoranthene	<	33.3	ug/kg					
Benzo(ghi)perylene	<	33.3	ug/kg					
Benzo(k)fluoranthene	<	33.3	ug/kg					
Chrysene	<	33.3	ug/kg					
Dibenzo(a,h)anthracene	<	33.3	ug/kg					
Fluoranthene	<	33.3	ug/kg					
Fluorene	<	33.3	ug/kg					
Indeno(1,2,3-cd)pyrene	<	33.3	ug/kg					
Phenanthrene	<	33.3	ug/kg					
Pyrene	<	33.3	ug/kg					
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene	<	2.00	ug/kg	SW846 8260B	DLS	11/01/01	2347	118132
Ethylbenzene	<	2.00	ug/kg					
Naphthalene		1.16	ug/kg					
Toluene	<	2.00	ug/kg					
Xylenes (total)	<	3.00	ug/kg					
tert-Butyl methyl ether	<	2.00	ug/kg					

Notes:
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Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 8, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	LB1054 Soil	Project:	EEGI00100
Sample ID:	51008005	Client ID:	EEGI001
Matrix:	Soil		
Collect Date:	26-OCT-01		
Receive Date:	26-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Semi-Volatiles-GC/MS								
3550/8270 PAH STD LIST IN Soil								
Acenaphthene	<	133	ug/kg	SW846 8270C	EH1	11/01/01	1058	117289
Acenaphthylene	<	133	ug/kg					
Anthracene		600	ug/kg					
Benzo(a)anthracene		397	ug/kg					
Benzo(a)pyrene		158	ug/kg					
Benzo(b)fluoranthene		199	ug/kg					
Benzo(ghi)perylene	<	133	ug/kg					
Benzo(k)fluoranthene		157	ug/kg					
Chrysene		374	ug/kg					
Dibenzo(a,h)anthracene	<	133	ug/kg					
Fluoranthene		1220	ug/kg					
Fluorene	<	133	ug/kg					
Indeno(1,2,3-cd)pyrene	<	133	ug/kg					
Phenanthrene		7210	ug/kg					
Pyrene		1190	ug/kg					
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene	<	175	ug/kg	SW846 8260B	DLS	11/02/01	0014	118132
Ethylbenzene		2480	ug/kg					
Naphthalene		6500	ug/kg					
Toluene	<	175	ug/kg					
Xylenes (total)		6190	ug/kg					
tert-Butyl methyl ether	<	175	ug/kg					

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Reviewed by

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51008

CHAIN OF CUSTODY RECORD

Page_____ of _____

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29407
P.O. Box 30712
Charleston, South Carolina 29417
(843) 556-8171

Client Name/Facility Name: Environmental Engineering Group Inc

Collected by/Company: EEG INC

SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type	PH	Remarks
LB 1054 B S	10/26/01	9:40		X		X	4						3										1	Fmbs of Tank Excavation
LB 1054 B N	10/26/01	11:02		X		X	4						3										1	
LB 1054 A S	10/26/01	10:20		X		X	4						3										1	
LB 1054 A N	10/26/01	10:50		X		X	4						3										1	
LB 1054 Soil	10/26/01	12:15		X		X	4						3										1	Dumpster Soil

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
KWCL	10/26/01	1800					
Relinquished by:	Date:	Time:	Received by lab:	Date:	Time:	Remarks:	
					1800		

White = sample collector Yellow = file Pink = with report

GENERAL ENGINEERING LABORATORIES

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Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 10, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	LB1054CNE	Project:	EEGI00100
Sample ID:	51122001	Client ID:	EEGI001
Matrix:	Soil		
Collect Date:	30-OCT-01		
Receive Date:	31-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Semi-Volatiles-GC/MS								
Acenaphthene	<	333	ug/kg	SW846 8270C	JWF	11/08/01	2034	119216
Acenaphthylene	<	333	ug/kg					
Anthracene	<	333	ug/kg					
Benzo(a)anthracene	<	333	ug/kg					
Benzo(a)pyrene	<	333	ug/kg					
Benzo(b)fluoranthene	<	333	ug/kg					
Benzo(ghi)perylene	<	333	ug/kg					
Benzo(k)fluoranthene	<	333	ug/kg					
Chrysene	<	333	ug/kg					
Dibenzo(a,h)anthracene	<	333	ug/kg					
Fluoranthene	<	333	ug/kg					
Fluorene	<	333	ug/kg					
Indeno(1,2,3-cd)pyrene	<	333	ug/kg					
Phenanthrene		1240	ug/kg					
Pyrene	<	333	ug/kg					
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene	<	1000	ug/kg	SW846 8260B	JEB	11/02/01	0033	117137
Ethylbenzene	<	1000	ug/kg					
Naphthalene	<	500	ug/kg					
Toluene	<	1000	ug/kg					
Xylenes (total)	<	1500	ug/kg					
tert-Butyl methyl ether	<	1000	ug/kg					

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Reviewed by

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GENERAL ENGINEERING LABORATORIES

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Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 10, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	LB1054CSW	Project:	EEGI00100
Sample ID:	51122002	Client ID:	EEGI001
Matrix:	Soil		
Collect Date:	30-OCT-01		
Receive Date:	31-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Semi-Volatiles-GC/MS								
Acenaphthene	<	333	ug/kg	SW846 8270C	JWF	11/08/01	2106	119216
Acenaphthylene	<	333	ug/kg					
Anthracene	<	333	ug/kg					
Benzo(a)anthracene	<	333	ug/kg					
Benzo(a)pyrene	<	333	ug/kg					
Benzo(b)fluoranthene	<	333	ug/kg					
Benzo(ghi)perylene	<	333	ug/kg					
Benzo(k)fluoranthene	<	333	ug/kg					
Chrysene		363	ug/kg					
Dibenzo(a,h)anthracene	<	333	ug/kg					
Fluoranthene	<	333	ug/kg					
Fluorene		7290	ug/kg					
Indeno(1,2,3-cd)pyrene	<	333	ug/kg					
Phenanthrene		16900	ug/kg					
Pyrene		1170	ug/kg					
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene	<	20000	ug/kg	SW846 8260B	JEB	11/02/01	1535	117137
Ethylbenzene		79000	ug/kg					
Naphthalene		587000	ug/kg					
Toluene	<	20000	ug/kg					
Xylenes (total)		184000	ug/kg					
tert-Butyl methyl ether	<	20000	ug/kg					

Notes:
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GENERAL ENGINEERING LABORATORIES

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Certificate of Analysis

Company : EEG, Inc.
Address : 1949 Avenue D
Charleston, South Carolina 29405

Report Date: November 10, 2001
Page 1 of 1

Contact: Rusty Cope
Project: Routine Analytical - Cope

Client Sample ID:	Trip Blank	Project:	EEGI00100
Sample ID:	51122003	Client ID:	EEGI001
Matrix:	Water		
Collect Date:	19-OCT-01		
Receive Date:	31-OCT-01		
Collector:	Client		

Parameter	Qualifier	Result	Units	Method	Analyst	Date	Time	Batch
Volatile Organics								
5035/8260B BTEX Extended List								
Benzene	<	2.00	ug/L	SW846 8260B	JEB	11/01/01	1408	118060
Ethylbenzene	<	2.00	ug/L					
Naphthalene	<	2.00	ug/L					
Toluene	<	2.00	ug/L					
Xylenes (total)	<	6.00	ug/L					
m,p-Xylenes	<	4.00	ug/L					
o-Xylene	<	2.00	ug/L					
tert-Butyl methyl ether	<	2.00	ug/L					

Notes:
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Reviewed by

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5.1 42 %

CHAIN OF CUSTODY RECORD

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29407
P.O. Box 30712
Charleston, South Carolina 29417
(843) 556-8171

Page 1 of 1

Client Name/Facility Name: Environmental Stipese Group III

Collected by/Company: EEG Inc

	SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	pH, conductivity	TOC/DOC	TOX	Chloride, Fluoride, Sulfide	Nitrite/Nitrate	VOC - Specify Method required	METALS - specify	Pesticide	Herbicide	Total Phenol	Acid Extractables	B/N Extractables	PCB's	Cyanide	Coliform - specify type	1494	Remarks
001	LB1054C NE	10/30/01	0855	X			X	4						3										1	North East End
002	LB1054 C SW	10/30/01	0700	X			X	4						3										1	South West End
																									Daniel Bay @ MCAS
003	Trip Blank	10/19/01	1720				X	3						3											

20011022815

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	10/31/01	1730					
Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:	
			[signature]				

White = sample collector Yellow = file Pink = with report

COASTAL
ENGINEERING AND TESTING

REPORT OF FIELD DENSITY TEST RESULTS

P.O. Box 20056
Charleston, SC 29413-0056
(843) 723-3808
Fax: (843) 723-5374

CLIENT: EEG, Inc.

DATE: 11./6/01

PROJECT: Laurel Bay Housing, 1054 Gardenia Dr

JOB NO: 01-03-111

TEST NO.	WET WEIGHT (pcf)	PERCENT MOISTURE	DRY DENSITY (pcf)	MAXIMUM DRY DENSITY	OPTIMUM MOISTURE	PERCENT COMPACTION	TEST LOCATION	DEPTH BELOW GRADE
11/2/01 - Nuclear ASTM D-2922								
1	107.4	17.0	91.8	100.4	14.9	91.4	Backfill Over Fuel Oil Tank	FSG
2	103.7	17.7	88.1	100.4	14.9	87.8	" "	FSG
3	103.2	14.0	90.5	100.4	14.9	90.2	" "	FSG

TECH J Norman

COPIES: 2-EEG

NOTE: FSG - Finish Subgrade

RESPECTFULLY SUBMITTED,
COASTAL ENGINEERING & TESTING CO., INC.

Michael L. Allen, P.E.
Sr. Registered Engineer

COASTAL
ENGINEERING AND TESTING

PROCTOR CURVE & SOIL LAB TEST RESULTS

P.O. Box 20056
Charleston, SC 29413-0056
(843) 723-3808
Fax: (843) 723-5374

CLIENT: EEG, Inc.
PROJECT: Laurel Bay Housing, 1054 Gardenia Dr.
DATE: 11/1/2001

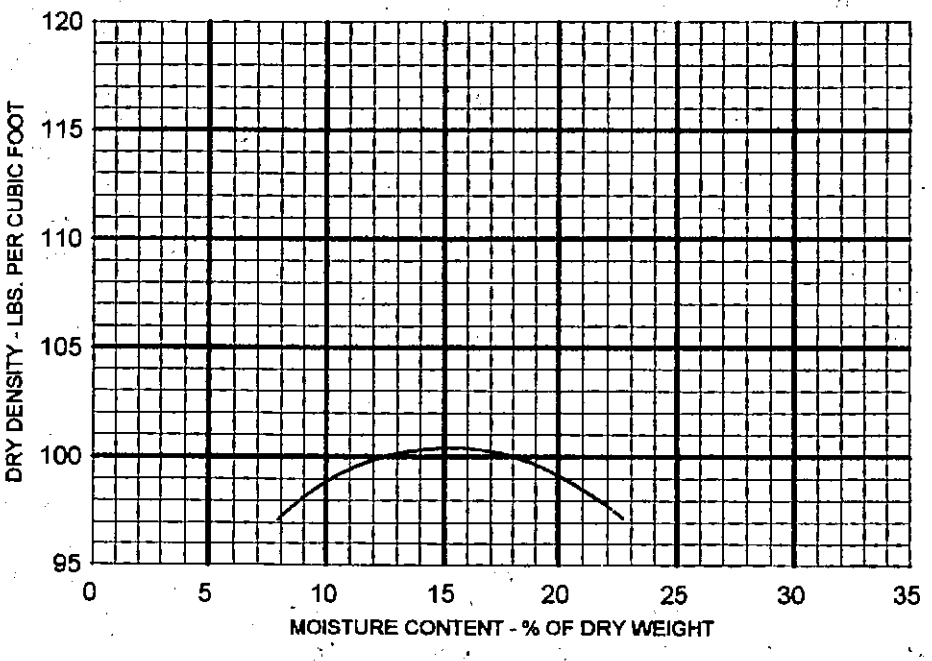
JOB NO.: 01-03-111
LAB NO.: 949

STANDARD MOISTURE - DENSITY RELATIONSHIP (ASTM D-698)

MAX. DRY DENSITY: 100.4 PCF
OPT. MOISTURE CONTENT: 14.9 %

METHOD OF TEST: A

SOIL DESCRIPTION: Brown Slightly Silty SAND
PIT: Unknown



RESPECTFULLY SUBMITTED,
COASTAL ENGINEERING & TESTING CO., INC.

Michael L. Allen, P.E.
Sr. Registered Engineer

Attachment III

Certificates of Disposal (tanks)
Disposal Manifests (petroleum contaminated soil)

UST Certificate of Disposal

CONTRACTOR

EEG Inc.
1949 Avenue D
North Charleston SC 29405-2106

Telephone (843) 202-8000

TANK ID & LOCATION

UST A; 1054 Gardenia Drive, Laurel Bay, MCAS Beaufort SC

DISPOSAL LOCATION

Temporary Tank Cleaning
& Disposal Area
1054 Gardenia Drive,
Laurel Bay, MCAS Beaufort SC

TYPE OF TANK	SIZE (GAL)
Fuel oil	280 gal.

CLEANING/DISPOSAL METHOD

The tank was cut open on both ends, cleaned with a steam cleaner, cut into sections, and disposed of as recyclable scrap metal.

DISPOSAL CERTIFICATION

I certify that the above tank has been properly cleaned and disposed of as recyclable scrap metal.

Robert W. Pope Jr. (Name) 12/04/01 (Date)

UST Certificate of Disposal

CONTRACTOR

EEG Inc.
1949 Avenue D
North Charleston SC 29405-2106

Telephone (843) 202-8000

TANK ID & LOCATION

UST B; 1054 Gardenia Drive, Laurel Bay, MCAS Beaufort SC

DISPOSAL LOCATION

Temporary Tank Cleaning
& Disposal Area
1054 Gardenia Drive,
Laurel Bay, MCAS Beaufort SC

TYPE OF TANK	SIZE (GAL)
Fuel oil	300 gal.

CLEANING/DISPOSAL METHOD

The tank was cut open on both ends, cleaned with a steam cleaner, cut into sections, and disposed of as recyclable scrap metal.

DISPOSAL CERTIFICATION

I certify that the above tank has been properly cleaned and disposed of as recyclable scrap metal.

Robert L. Cope, 12/04/01
(Name) (Date)

UST Certificate of Disposal

CONTRACTOR

EEG Inc.
1949 Avenue D
North Charleston SC 29405-2106

Telephone (843) 202-8000

TANK ID & LOCATION

UST C; 1054 Gardenia Drive, Laurel Bay, MCAS Beaufort SC

DISPOSAL LOCATION

Temporary Tank Cleaning
& Disposal Area
1054 Gardenia Drive,
Laurel Bay, MCAS Beaufort SC

TYPE OF TANK	SIZE (GAL)
Fuel oil	300 gal.

CLEANING/DISPOSAL METHOD

The tank was cut open on both ends, soil and sludge removed from tank interior, cleaned with a steam cleaner, cut into sections, and disposed of as recyclable scrap metal.

DISPOSAL CERTIFICATION

I certify that the above tank has been properly cleaned and disposed of as recyclable scrap metal.

Robert W. Cope, 12/04/01

(Name) (Date)

Hickory Hill Landfill
A Waste Management Company

No. 17508

NON-HAZARDOUS MANIFEST

GENERATOR

Generator Commanding Officer ATTN: NREAD MCAS Beaufort I.D.# SC 175021616 9

Address PO Box 55001 Shipping Location MCAS

Beaufort, SC 29904-5001 Address

Phone 843-228-7694/6461 Gary Dukes Phone 843-202-8032 (Rusty Cope)

Description of Waste Materials	Profile Number	Total Quantity	Unit of Measure	Container Type
Diesel fuel Contaminated Soil	CR 5493	298	Tons	
Diesel fuel Contaminated Rock,				
Plastic and Rags + Tyvecks				

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR, Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

W.S. Dukes, Jr. 19 Nov 01
Generator Authorized Agent Name (Print) Signature Delivery Date

TRANSPORTER

Transporter Name WMT

Address Rt. 1 Box 121

Ridgeland SC 29936

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Evans, Robert 11-19-01
Driver Signature Shipment Date

Driver Name (Print) EVANS, ROBERT

Truck Number #465

Truck Type MACK

I hereby acknowledge that the above-described materials were received from the generator site were transported without incident to the destination listed below.

Evans, Robert 11-19-01
Driver Signature Delivery Date

DESTINATION

Site Name HICKORY HILL LANDFILL Phone Number (803) 726-4643

Address Rt. 1 Box 121 • Ridgeland, S.C. 29936

Disposal Location: North _____ East _____ Level _____

I hereby acknowledge receipt of the above-described materials.

B. Perreel B. Perreel 11/19/01
Name of Authorized Agent (Print) Signature Receipt Date

Hickory Hill Landfill
A Waste Management Company

No. 17509

NON-HAZARDOUS MANIFEST

GENERATOR

Generator Commanding Officer ATTN: NREAD MCAS Beaufort I.D.# SC 1750216169

Address PO Box 55001
Beaufort, SC 29904-5001

Phone 843-228-7694/6461 Gary Dukes

Shipping Location MCAS

Address

Phone 843-202-8032 (R.W. Cope)

Description of Waste Materials	Profile Number	Total Quantity	Unit of Measure	Container Type
Diesel fuel Contaminated Soil,	CR5493	17.00	Tons	
Concrete, Plastic, Rags +				
Tyvecks				

I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR, Part 261 or any applicable state law, have been fully and accurately described, classified and packaged, and are in proper condition for transportation according to applicable regulations.

W.G. Dukes, Jr. — Signature — 19 Nov 01

Generator Authorized Agent Name (Print) — Signature — Delivery Date

TRANSPORTER

Transporter Name WME

Address Rt. 1 Box 121
Ridgeland SC 29936

Driver Name (Print) Evans, Robert

Truck Number 4765

Truck Type Mack

I hereby acknowledge receipt of the above-described materials for transport from the generator site listed above.

Evans, Robert 11-19-01

Driver Signature — Shipment Date

I hereby acknowledge that the above-described materials were received from the generator site were transported without incident to the destination listed below.

Evans, Robert 11-19-01

Driver Signature — Delivery Date

DESTINATION

Site Name HICKORY HILL LANDFILL

Phone Number (803) 726-4643

Address Rt. 1 Box 121 • Ridgeland, S.C. 29936

Disposal Location: North _____ East _____ Level _____

I hereby acknowledge receipt of the above-described materials.

B. Pernell — Name of Authorized Agent (Print)

B. Pernell — Signature

11/19/01 — Receipt Date

Appendix C
Laboratory Analytical Reports - Soil - Tier 1 Assessment

CDM - AECOM
Multimedia Joint Venture

ACCURA ANALYTICAL LABORATORY, INC.

6017 Financial Drive, Norcross, Georgia 30071, Phone (770)449-8800, FAX (770)449-5477
FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: **AC21764** **Accura Project #:** **29050**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/1/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: **1054-SB-1**

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	85		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	87		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		390
1,2-Dichlorobenzene	<RL		390
1,3-Dichlorobenzene	<RL		390
1,4-Dichlorobenzene	<RL		390
2,4,5-Trichlorophenol	<RL		390
2,4,6-Trichlorophenol	<RL		390
2,4-Dichlorophenol	<RL		390
2,4-Dimethylphenol	<RL		390
2,4-Dinitrophenol	<RL		1900
2,4-Dinitrotoluene	<RL		390
2,6-Dinitrotoluene	<RL		390
2-Chloronaphthalene	<RL		390
2-Chlorophenol	<RL		390
2-Methylnaphthalene	<RL		390
2-Methylphenol	<RL		390
2-Nitroaniline	<RL		780
2-Nitrophenol	<RL		390
3,3'-Dichlorobenzidine	<RL		390
3,4-Methylphenol	<RL		780
3-Nitroaniline	<RL		780
4,6-Dinitro-2-methylphenol	<RL		780
4-Bromophenyl phenyl ether	<RL		390
4-Chloro-3-methylphenol	<RL		390
4-Chloroaniline	<RL		390
4-Chlorophenyl phenyl ether	<RL		390

4-Nitroaniline	<RL		780
4-Nitrophenol	<RL		780
Acenaphthene	<RL		390
Acenaphthylene	<RL		390
Anthracene	<RL		390
Benzidine	<RL		390
Benzo(a)anthracene	<RL		390
Benzo(a)pyrene	<RL		390
Benzo(b)fluoranthene	<RL		390
Benzo(g,h,i)perylene	<RL		390
Benzo(k)fluoranthene	<RL		390
Benzoic acid	270	J	1900
Benzyl alcohol	<RL		390
bis(2-Chloroethoxy)methane	<RL		390
bis(2-Chloroethyl)ether	<RL		390
bis(2-Chloroisopropyl)ether	<RL		390
bis(2-Ethylhexyl)phthalate	<RL		390
Butyl benzyl phthalate	<RL		390
Carbazole	<RL		390
Chrysene	<RL		390
Dibenz(a,h)anthracene	<RL		390
Dibenzofuran	<RL		390
Diethylphthalate	<RL		390
Dimethylphthalate	<RL		390
Di-n-butylphthalate	<RL		390
Di-n-octylphthalate	<RL		390
Fluoranthene	<RL		390
Fluorene	<RL		390
Hexachlorobenzene	<RL		390
Hexachlorobutadiene	<RL		390
Hexachlorocyclopentadiene	<RL		390
Hexachloroethane	<RL		390
Indeno(1,2,3-cd)pyrene	<RL		390
Isophorone	<RL		390
Naphthalene	<RL		390
Nitrobenzene	<RL		390
N-Nitrosodimethylamine	<RL		390
N-Nitroso-di-n-propylamine	<RL		390
N-Nitrosodiphenylamine	<RL		390
Pentachlorophenol	<RL		780
Phenanthrene	<RL		390
Phenol	<RL		390
Pyrene	<RL		390

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	10,300		1,150

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		5.3
1,1,1-Trichloroethane	<RL		5.3
1,1,2,2-Tetrachloroethane	<RL		5.3

1,1,2-Trichloroethane	<RL		5.3
1,1-Dichloroethane	<RL		5.3
1,1-Dichloroethene	<RL		5.3
1,1-Dichloropropene	<RL		5.3
1,2,3-Trichlorobenzene	<RL		5.3
1,2,3-Trichloropropane	<RL		5.3
1,2,4-Trichlorobenzene	<RL		5.3
1,2,4-Trimethylbenzene	43		5.3
1,2-Dibromo-3-Chloropropane	0.85	J	5.3
1,2-Dibromoethane	<RL		5.3
1,2-Dichlorobenzene	<RL		5.3
1,2-Dichloroethane	<RL		5.3
1,2-Dichloropropane	<RL		5.3
1,3,5-Trimethylbenzene	20		5.3
1,3-Dichlorobenzene	<RL		5.3
1,3-Dichloropropane	<RL		5.3
1,4-Dichlorobenzene	<RL		5.3
2,2-Dichloropropane	<RL		5.3
2-Butanone	4.5	J	5.3
2-Chloroethyl Vinyl Ether	<RL		5.3
2-Chlorotoluene	<RL		5.3
2-Hexanone	<RL		11
4-Chlorotoluene	<RL		5.3
4-Methyl-2-Pentanone	<RL		11
Acetone	63	J	110
Acrolein	<RL		110
Acrylonitrile	<RL		5.3
Benzene	<RL		5.3
Bromobenzene	<RL		5.3
Bromochloromethane	<RL		5.3
Bromodichloromethane	<RL		5.3
Bromoform	<RL		5.3
Bromomethane	<RL		11
Carbon Disulfide	<RL		5.3
Carbon Tetrachloride	<RL		5.3
Chlorobenzene	<RL		5.3
Chlorodibromomethane	<RL		5.3
Chloroethane	<RL		5.3
Chloroform	<RL		5.3
Chloromethane	<RL		11
cis-1,2-Dichloroethene	<RL		5.3
cis-1,3-Dichloropropene	<RL		5.3
cis-1,4-Dichloro-2-Butene	<RL		5.3
Dibromomethane	<RL		5.3
Dichlorodifluoromethane	<RL		11
Ethylbenzene	9.7		5.3
Hexachlorobutadiene	<RL		5.3
Iodomethane	<RL		5.3
Isopropylbenzene	6.1		5.3
Methyl Methacrylate	<RL		5.3
Methylene Chloride	<RL		5.3
Methyl-tert-Butyl Ether	<RL		5.3
Naphthalene	4.4	JB	5.3
n-Butylbenzene	<RL		5.3
n-Propylbenzene	11		5.3
p-Isopropyltoluene	8.8		5.3

sec-Butylbenzene	11	5.3
Styrene	<RL	5.3
tert-butylbenzene	<RL	5.3
Tetrachloroethene	<RL	5.3
Toluene	6.6	5.3
trans-1,2-Dichloroethene	<RL	5.3
trans-1,3-Dichloropropene	<RL	5.3
trans-1,4-Dichloro-2-Butene	<RL	5.3
Trichloroethene	<RL	5.3
Trichlorofluoromethane	<RL	5.3
Vinyl Acetete	<RL	53
Vinyl Chloride	<RL	2.1
Xylenes (Total)	17	5.3

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	99		
4-Bromofluorobenzene (Range 75-135)	112		
Toluene-d8 (Range 83-126)	108		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 20-110)	84		
2-Fluorobiphenyl (Range 30-110)	85		
2-Fluorophenol (Range 22-96)	75		
Nitrobenzene-d5 (Range 22-104)	78		
Phenol-d6 (Range 25-100)	79		
p-Terphenyl-d14 (Range 30-130)	92		

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FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: **AC21765** **Accura Project #:** **29050**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/1/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: **1054-SB-2**

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	82		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	64		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		410
1,2-Dichlorobenzene	<RL		410
1,3-Dichlorobenzene	<RL		410
1,4-Dichlorobenzene	<RL		410
2,4,5-Trichlorophenol	<RL		410
2,4,6-Trichlorophenol	<RL		410
2,4-Dichlorophenol	<RL		410
2,4-Dimethylphenol	<RL		410
2,4-Dinitrophenol	<RL		2000
2,4-Dinitrotoluene	<RL		410
2,6-Dinitrotoluene	<RL		410
2-Chloronaphthalene	<RL		410
2-Chlorophenol	<RL		410
2-Methylnaphthalene	120	J	410
2-Methylphenol	<RL		410
2-Nitroaniline	<RL		810
2-Nitrophenol	<RL		410
3,3'-Dichlorobenzidine	<RL		410
3,4-Methylphenol	<RL		810
3-Nitroaniline	<RL		810
4,6-Dinitro-2-methylphenol	<RL		810
4-Bromophenyl phenyl ether	<RL		410
4-Chloro-3-methylphenol	<RL		410
4-Chloroaniline	<RL		410
4-Chlorophenyl phenyl ether	<RL		410

4-Nitroaniline	<RL	810
4-Nitrophenol	<RL	810
Acenaphthene	<RL	410
Acenaphthylene	<RL	410
Anthracene	<RL	410
Benzidine	<RL	410
Benzo(a)anthracene	<RL	410
Benzo(a)pyrene	<RL	410
Benzo(b)fluoranthene	<RL	410
Benzo(g,h,i)perylene	<RL	410
Benzo(k)fluoranthene	<RL	410
Benzoic acid	<RL	2000
Benzyl alcohol	<RL	410
bis(2-Chloroethoxy)methane	<RL	410
bis(2-Chloroethyl)ether	<RL	410
bis(2-Chloroisopropyl)ether	<RL	410
bis(2-Ethylhexyl)phthalate	<RL	410
Butyl benzyl phthalate	<RL	410
Carbazole	<RL	410
Chrysene	<RL	410
Dibenz(a,h)anthracene	<RL	410
Dibenzofuran	<RL	410
Diethylphthalate	<RL	410
Dimethylphthalate	<RL	410
Di-n-butylphthalate	<RL	410
Di-n-octylphthalate	<RL	410
Fluoranthene	<RL	410
Fluorene	<RL	410
Hexachlorobenzene	<RL	410
Hexachlorobutadiene	<RL	410
Hexachlorocyclopentadiene	<RL	410
Hexachloroethane	<RL	410
Indeno(1,2,3-cd)pyrene	<RL	410
Isophorone	<RL	410
Naphthalene	<RL	410
Nitrobenzene	<RL	410
N-Nitrosodimethylamine	<RL	410
N-Nitroso-di-n-propylamine	<RL	410
N-Nitrosodiphenylamine	<RL	410
Pentachlorophenol	<RL	810
Phenanthrene	<RL	410
Phenol	<RL	410
Pyrene	<RL	410

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	13,100		1,560

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		5.7
1,1,1-Trichloroethane	<RL		5.7
1,1,2,2-Tetrachloroethane	<RL		5.7

1,1,2-Trichloroethane	<RL		5.7
1,1-Dichloroethane	<RL		5.7
1,1-Dichloroethene	<RL		5.7
1,1-Dichloropropene	<RL		5.7
1,2,3-Trichlorobenzene	<RL		5.7
1,2,3-Trichloropropane	<RL		5.7
1,2,4-Trichlorobenzene	<RL		5.7
1,2,4-Trimethylbenzene	16		5.7
1,2-Dibromo-3-Chloropropane	<RL		5.7
1,2-Dibromoethane	<RL		5.7
1,2-Dichlorobenzene	<RL		5.7
1,2-Dichloroethane	<RL		5.7
1,2-Dichloropropane	<RL		5.7
1,3,5-Trimethylbenzene	2.5	J	5.7
1,3-Dichlorobenzene	<RL		5.7
1,3-Dichloropropane	<RL		5.7
1,4-Dichlorobenzene	<RL		5.7
2,2-Dichloropropane	<RL		5.7
2-Butanone	<RL		5.7
2-Chloroethyl Vinyl Ether	<RL		5.7
2-Chlorotoluene	<RL		5.7
2-Hexanone	<RL		11
4-Chlorotoluene	<RL		5.7
4-Methyl-2-Pentanone	<RL		11
Acetone	34	JB	110
Acrolein	<RL		110
Acrylonitrile	<RL		5.7
Benzene	<RL		5.7
Bromobenzene	<RL		5.7
Bromochloromethane	<RL		5.7
Bromodichloromethane	<RL		5.7
Bromoform	<RL		5.7
Bromomethane	<RL		11
Carbon Disulfide	<RL		5.7
Carbon Tetrachloride	<RL		5.7
Chlorobenzene	<RL		5.7
Chlorodibromomethane	<RL		5.7
Chloroethane	<RL		5.7
Chloroform	<RL		5.7
Chloromethane	<RL		11
cis-1,2-Dichloroethene	<RL		5.7
cis-1,3-Dichloropropene	<RL		5.7
cis-1,4-Dichloro-2-Butene	<RL		5.7
Dibromomethane	<RL		5.7
Dichlorodifluoromethane	<RL		11
Ethylbenzene	<RL		5.7
Hexachlorobutadiene	<RL		5.7
Iodomethane	<RL		5.7
Isopropylbenzene	1.2	J	5.7
Methyl Methacrylate	<RL		5.7
Methylene Chloride	<RL		5.7
Methyl-tert-Butyl Ether	<RL		5.7
Naphthalene	18	B	5.7
n-Butylbenzene	<RL		5.7
n-Propylbenzene	1.7	J	5.7
p-Isopropyltoluene	<RL		5.7

sec-Butylbenzene	3.5	J	5.7
Styrene	<RL		5.7
tert-butylbenzene	<RL		5.7
Tetrachloroethene	<RL		5.7
Toluene	<RL		5.7
trans-1,2-Dichloroethene	<RL		5.7
trans-1,3-Dichloropropene	<RL		5.7
trans-1,4-Dichloro-2-Butene	<RL		5.7
Trichloroethene	<RL		5.7
Trichlorofluoromethane	<RL		5.7
Vinyl Acetete	<RL		57
Vinyl Chloride	<RL		2.3
Xylenes (Total)	2.0	J	5.7

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	98		
4-Bromofluorobenzene (Range 75-135)	99		
Toluene-d8 (Range 83-126)	100		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: %

Analyte Name		Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol	(Range 20-110)	81		
2-Fluorobiphenyl	(Range 30-110)	72		
2-Fluorophenol	(Range 22-96)	67		
Nitrobenzene-d5	(Range 22-104)	70		
Phenol-d6	(Range 25-100)	70		
p-Terphenyl-d14	(Range 30-130)	91		

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LABORATORY REPORT

Accura Sample ID #: **AC21766** **Accura Project #:** **29050**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/1/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: **1054-SB-3**

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	91		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	91		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		370
1,2-Dichlorobenzene	<RL		370
1,3-Dichlorobenzene	<RL		370
1,4-Dichlorobenzene	<RL		370
2,4,5-Trichlorophenol	<RL		370
2,4,6-Trichlorophenol	<RL		370
2,4-Dichlorophenol	<RL		370
2,4-Dimethylphenol	<RL		370
2,4-Dinitrophenol	<RL		1800
2,4-Dinitrotoluene	<RL		370
2,6-Dinitrotoluene	<RL		370
2-Chloronaphthalene	<RL		370
2-Chlorophenol	<RL		370
2-Methylnaphthalene	<RL		370
2-Methylphenol	<RL		370
2-Nitroaniline	<RL		730
2-Nitrophenol	<RL		370
3,3'-Dichlorobenzidine	<RL		370
3,4-Methylphenol	<RL		730
3-Nitroaniline	<RL		730
4,6-Dinitro-2-methylphenol	<RL		730
4-Bromophenyl phenyl ether	<RL		370
4-Chloro-3-methylphenol	<RL		370
4-Chloroaniline	<RL		370
4-Chlorophenyl phenyl ether	<RL		370

4-Nitroaniline	<RL	730
4-Nitrophenol	<RL	730
Acenaphthene	<RL	370
Acenaphthylene	<RL	370
Anthracene	<RL	370
Benzidine	<RL	370
Benzo(a)anthracene	<RL	370
Benzo(a)pyrene	<RL	370
Benzo(b)fluoranthene	<RL	370
Benzo(g,h,i)perylene	<RL	370
Benzo(k)fluoranthene	<RL	370
Benzoic acid	<RL	1800
Benzyl alcohol	<RL	370
bis(2-Chloroethoxy)methane	<RL	370
bis(2-Chloroethyl)ether	<RL	370
bis(2-Chloroisopropyl)ether	<RL	370
bis(2-Ethylhexyl)phthalate	<RL	370
Butyl benzyl phthalate	<RL	370
Carbazole	<RL	370
Chrysene	<RL	370
Dibenz(a,h)anthracene	<RL	370
Dibenzofuran	<RL	370
Diethylphthalate	<RL	370
Dimethylphthalate	<RL	370
Di-n-butylphthalate	<RL	370
Di-n-octylphthalate	<RL	370
Fluoranthene	<RL	370
Fluorene	<RL	370
Hexachlorobenzene	<RL	370
Hexachlorobutadiene	<RL	370
Hexachlorocyclopentadiene	<RL	370
Hexachloroethane	<RL	370
Indeno(1,2,3-cd)pyrene	<RL	370
Isophorone	<RL	370
Naphthalene	<RL	370
Nitrobenzene	<RL	370
N-Nitrosodimethylamine	<RL	370
N-Nitroso-di-n-propylamine	<RL	370
N-Nitrosodiphenylamine	<RL	370
Pentachlorophenol	<RL	730
Phenanthrene	<RL	370
Phenol	<RL	370
Pyrene	<RL	370

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	5,590		1,100

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/8/01 Date Analyzed: 11/8/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		27
1,1,1-Trichloroethane	<RL		27
1,1,2,2-Tetrachloroethane	<RL		27

1,1,2-Trichloroethane	<RL		27
1,1-Dichloroethane	<RL		27
1,1-Dichloroethene	<RL		27
1,1-Dichloropropene	<RL		27
1,2,3-Trichlorobenzene	<RL		27
1,2,3-Trichloropropane	<RL		27
1,2,4-Trichlorobenzene	6.2	J	27
1,2,4-Trimethylbenzene	<RL		27
1,2-Dibromo-3-Chloropropane	<RL		27
1,2-Dibromoethane	<RL		27
1,2-Dichlorobenzene	<RL		27
1,2-Dichloroethane	<RL		27
1,2-Dichloropropane	<RL		27
1,3,5-Trimethylbenzene	<RL		27
1,3-Dichlorobenzene	<RL		27
1,3-Dichloropropane	<RL		27
1,4-Dichlorobenzene	<RL		27
2,2-Dichloropropane	<RL		27
2-Butanone	<RL		27
2-Chloroethyl Vinyl Ether	<RL		27
2-Chlorotoluene	<RL		27
2-Hexanone	<RL		54
4-Chlorotoluene	<RL		27
4-Methyl-2-Pentanone	<RL		54
Acetone	85	JB	540
Acrolein	<RL		540
Acrylonitrile	<RL		27
Benzene	<RL		27
Bromobenzene	<RL		27
Bromochloromethane	<RL		27
Bromodichloromethane	<RL		27
Bromoform	<RL		27
Bromomethane	19	J	54
Carbon Disulfide	<RL		27
Carbon Tetrachloride	<RL		27
Chlorobenzene	<RL		27
Chlorodibromomethane	<RL		27
Chloroethane	<RL		27
Chloroform	<RL		27
Chloromethane	<RL		54
cis-1,2-Dichloroethene	<RL		27
cis-1,3-Dichloropropene	<RL		27
cis-1,4-Dichloro-2-Butene	<RL		27
Dibromomethane	<RL		27
Dichlorodifluoromethane	<RL		54
Ethylbenzene	<RL		27
Hexachlorobutadiene	<RL		27
Iodomethane	<RL		27
Isopropylbenzene	<RL		27
Methyl Methacrylate	<RL		27
Methylene Chloride	<RL		27
Methyl-tert-Butyl Ether	<RL		27
Naphthalene	46	B	27
n-Butylbenzene	10	J	27
n-Propylbenzene	8.8	J	27
p-Isopropyltoluene	<RL		27

sec-Butylbenzene	<RL		27
Styrene	<RL		27
tert-butylbenzene	7.2	J	27
Tetrachloroethene	<RL		27
Toluene	<RL		27
trans-1,2-Dichloroethene	<RL		27
trans-1,3-Dichloropropene	<RL		27
trans-1,4-Dichloro-2-Butene	<RL		27
Trichloroethene	<RL		27
Trichlorofluoromethane	<RL		27
Vinyl Acetete	<RL		270
Vinyl Chloride	<RL		11
Xylenes (Total)	<RL		27

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/8/01 Date Analyzed: 11/8/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	103		
4-Bromofluorobenzene (Range 75-135)	198	Z	
Toluene-d8 (Range 83-126)	103		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 20-110)	92		
2-Fluorobiphenyl (Range 30-110)	72		
2-Fluorophenol (Range 22-96)	74		
Nitrobenzene-d5 (Range 22-104)	76		
Phenol-d6 (Range 25-100)	79		
p-Terphenyl-d14 (Range 30-130)	81		

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LABORATORY REPORT

Accura Sample ID #: AC21767 **Accura Project #:** 29050

Client: US Army Corp of Engrs, Savann. Date Sampled: 11/1/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: 1054-SB-4

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	76		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	79		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		440
1,2-Dichlorobenzene	<RL		440
1,3-Dichlorobenzene	<RL		440
1,4-Dichlorobenzene	<RL		440
2,4,5-Trichlorophenol	<RL		440
2,4,6-Trichlorophenol	<RL		440
2,4-Dichlorophenol	<RL		440
2,4-Dimethylphenol	<RL		440
2,4-Dinitrophenol	<RL		2100
2,4-Dinitrotoluene	<RL		440
2,6-Dinitrotoluene	<RL		440
2-Chloronaphthalene	<RL		440
2-Chlorophenol	<RL		440
2-Methylnaphthalene	160	J	440
2-Methylphenol	<RL		440
2-Nitroaniline	<RL		880
2-Nitrophenol	<RL		440
3,3'-Dichlorobenzidine	<RL		440
3,4-Methylphenol	<RL		880
3-Nitroaniline	<RL		880
4,6-Dinitro-2-methylphenol	<RL		880
4-Bromophenyl phenyl ether	<RL		440
4-Chloro-3-methylphenol	<RL		440
4-Chloroaniline	<RL		440
4-Chlorophenyl phenyl ether	<RL		440

4-Nitroaniline	<RL	880
4-Nitrophenol	<RL	880
Acenaphthene	<RL	440
Acenaphthylene	<RL	440
Anthracene	<RL	440
Benzidine	<RL	440
Benzo(a)anthracene	<RL	440
Benzo(a)pyrene	<RL	440
Benzo(b)fluoranthene	<RL	440
Benzo(g,h,i)perylene	<RL	440
Benzo(k)fluoranthene	<RL	440
Benzoic acid	<RL	2100
Benzyl alcohol	<RL	440
bis(2-Chloroethoxy)methane	<RL	440
bis(2-Chloroethyl)ether	<RL	440
bis(2-Chloroisopropyl)ether	<RL	440
bis(2-Ethylhexyl)phthalate	<RL	440
Butyl benzyl phthalate	<RL	440
Carbazole	<RL	440
Chrysene	<RL	440
Dibenz(a,h)anthracene	<RL	440
Dibenzofuran	<RL	440
Diethylphthalate	<RL	440
Dimethylphthalate	<RL	440
Di-n-butylphthalate	<RL	440
Di-n-octylphthalate	<RL	440
Fluoranthene	<RL	440
Fluorene	<RL	440
Hexachlorobenzene	<RL	440
Hexachlorobutadiene	<RL	440
Hexachlorocyclopentadiene	<RL	440
Hexachloroethane	<RL	440
Indeno(1,2,3-cd)pyrene	<RL	440
Isophorone	<RL	440
Naphthalene	<RL	440
Nitrobenzene	<RL	440
N-Nitrosodimethylamine	<RL	440
N-Nitroso-di-n-propylamine	<RL	440
N-Nitrosodiphenylamine	<RL	440
Pentachlorophenol	<RL	880
Phenanthrene	<RL	440
Phenol	<RL	440
Pyrene	<RL	440

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	6,420		1,260

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		6.3
1,1,1-Trichloroethane	<RL		6.3
1,1,2,2-Tetrachloroethane	<RL		6.3

1,1,2-Trichloroethane	<RL		6.3
1,1-Dichloroethane	<RL		6.3
1,1-Dichloroethene	<RL		6.3
1,1-Dichloropropene	<RL		6.3
1,2,3-Trichlorobenzene	<RL		6.3
1,2,3-Trichloropropane	<RL		6.3
1,2,4-Trichlorobenzene	<RL		6.3
1,2,4-Trimethylbenzene	42		6.3
1,2-Dibromo-3-Chloropropane	<RL		6.3
1,2-Dibromoethane	<RL		6.3
1,2-Dichlorobenzene	<RL		6.3
1,2-Dichloroethane	<RL		6.3
1,2-Dichloropropane	<RL		6.3
1,3,5-Trimethylbenzene	13		6.3
1,3-Dichlorobenzene	<RL		6.3
1,3-Dichloropropane	<RL		6.3
1,4-Dichlorobenzene	<RL		6.3
2,2-Dichloropropane	<RL		6.3
2-Butanone	3.0	J	6.3
2-Chloroethyl Vinyl Ether	<RL		6.3
2-Chlorotoluene	<RL		6.3
2-Hexanone	<RL		13
4-Chlorotoluene	<RL		6.3
4-Methyl-2-Pentanone	<RL		13
Acetone	17	JB	130
Acrolein	<RL		130
Acrylonitrile	<RL		6.3
Benzene	3.4	J	6.3
Bromobenzene	<RL		6.3
Bromochloromethane	<RL		6.3
Bromodichloromethane	<RL		6.3
Bromoform	<RL		6.3
Bromomethane	<RL		13
Carbon Disulfide	<RL		6.3
Carbon Tetrachloride	<RL		6.3
Chlorobenzene	<RL		6.3
Chlorodibromomethane	<RL		6.3
Chloroethane	<RL		6.3
Chloroform	<RL		6.3
Chloromethane	<RL		13
cis-1,2-Dichloroethene	<RL		6.3
cis-1,3-Dichloropropene	<RL		6.3
cis-1,4-Dichloro-2-Butene	<RL		6.3
Dibromomethane	<RL		6.3
Dichlorodifluoromethane	<RL		13
Ethylbenzene	13		6.3
Hexachlorobutadiene	<RL		6.3
Iodomethane	<RL		6.3
Isopropylbenzene	4.0	J	6.3
Methyl Methacrylate	<RL		6.3
Methylene Chloride	<RL		6.3
Methyl-tert-Butyl Ether	<RL		6.3
Naphthalene	48		6.3
n-Butylbenzene	<RL		6.3
n-Propylbenzene	6.4		6.3
p-Isopropyltoluene	4.2	J	6.3

sec-Butylbenzene	5.8	J	6.3
Styrene	<RL		6.3
tert-butylbenzene	<RL		6.3
Tetrachloroethene	<RL		6.3
Toluene	<RL		6.3
trans-1,2-Dichloroethene	<RL		6.3
trans-1,3-Dichloropropene	<RL		6.3
trans-1,4-Dichloro-2-Butene	<RL		6.3
Trichloroethene	<RL		6.3
Trichlorofluoromethane	<RL		6.3
Vinyl Acetete	<RL		63
Vinyl Chloride	<RL		2.5
Xylenes (Total)	36		6.3

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	93		
4-Bromofluorobenzene (Range 75-135)	100		
Toluene-d8 (Range 83-126)	113		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 20-110)	84		
2-Fluorobiphenyl (Range 30-110)	75		
2-Fluorophenol (Range 22-96)	73		
Nitrobenzene-d5 (Range 22-104)	69		
Phenol-d6 (Range 25-100)	74		
p-Terphenyl-d14 (Range 30-130)	94		

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LABORATORY REPORT

Accura Sample ID #: **AC21768** **Accura Project #:** **29050**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/2/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: **1054-SB-5**

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	82		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	83		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		410
1,2-Dichlorobenzene	<RL		410
1,3-Dichlorobenzene	<RL		410
1,4-Dichlorobenzene	<RL		410
2,4,5-Trichlorophenol	<RL		410
2,4,6-Trichlorophenol	<RL		410
2,4-Dichlorophenol	<RL		410
2,4-Dimethylphenol	<RL		410
2,4-Dinitrophenol	<RL		2000
2,4-Dinitrotoluene	<RL		410
2,6-Dinitrotoluene	<RL		410
2-Chloronaphthalene	<RL		410
2-Chlorophenol	<RL		410
2-Methylnaphthalene	<RL		410
2-Methylphenol	<RL		410
2-Nitroaniline	<RL		820
2-Nitrophenol	<RL		410
3,3'-Dichlorobenzidine	<RL		410
3,4-Methylphenol	<RL		820
3-Nitroaniline	<RL		820
4,6-Dinitro-2-methylphenol	<RL		820
4-Bromophenyl phenyl ether	<RL		410
4-Chloro-3-methylphenol	<RL		410
4-Chloroaniline	<RL		410
4-Chlorophenyl phenyl ether	<RL		410

4-Nitroaniline	<RL	820
4-Nitrophenol	<RL	820
Acenaphthene	<RL	410
Acenaphthylene	<RL	410
Anthracene	<RL	410
Benzidine	<RL	410
Benzo(a)anthracene	<RL	410
Benzo(a)pyrene	<RL	410
Benzo(b)fluoranthene	<RL	410
Benzo(g,h,i)perylene	<RL	410
Benzo(k)fluoranthene	<RL	410
Benzoic acid	<RL	2000
Benzyl alcohol	<RL	410
bis(2-Chloroethoxy)methane	<RL	410
bis(2-Chloroethyl)ether	<RL	410
bis(2-Chloroisopropyl)ether	<RL	410
bis(2-Ethylhexyl)phthalate	<RL	410
Butyl benzyl phthalate	<RL	410
Carbazole	<RL	410
Chrysene	<RL	410
Dibenz(a,h)anthracene	<RL	410
Dibenzofuran	<RL	410
Diethylphthalate	<RL	410
Dimethylphthalate	<RL	410
Di-n-butylphthalate	<RL	410
Di-n-octylphthalate	<RL	410
Fluoranthene	<RL	410
Fluorene	<RL	410
Hexachlorobenzene	<RL	410
Hexachlorobutadiene	<RL	410
Hexachlorocyclopentadiene	<RL	410
Hexachloroethane	<RL	410
Indeno(1,2,3-cd)pyrene	<RL	410
Isophorone	<RL	410
Naphthalene	<RL	410
Nitrobenzene	<RL	410
N-Nitrosodimethylamine	<RL	410
N-Nitroso-di-n-propylamine	<RL	410
N-Nitrosodiphenylamine	<RL	410
Pentachlorophenol	<RL	820
Phenanthrene	<RL	410
Phenol	<RL	410
Pyrene	<RL	410

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	8,730		1,210

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		4.9
1,1,1-Trichloroethane	<RL		4.9
1,1,2,2-Tetrachloroethane	<RL		4.9

1,1,2-Trichloroethane	<RL		4.9
1,1-Dichloroethane	<RL		4.9
1,1-Dichloroethene	<RL		4.9
1,1-Dichloropropene	<RL		4.9
1,2,3-Trichlorobenzene	<RL		4.9
1,2,3-Trichloropropane	<RL		4.9
1,2,4-Trichlorobenzene	<RL		4.9
1,2,4-Trimethylbenzene	3.0	J	4.9
1,2-Dibromo-3-Chloropropane	<RL		4.9
1,2-Dibromoethane	<RL		4.9
1,2-Dichlorobenzene	<RL		4.9
1,2-Dichloroethane	<RL		4.9
1,2-Dichloropropane	<RL		4.9
1,3,5-Trimethylbenzene	1.3	J	4.9
1,3-Dichlorobenzene	<RL		4.9
1,3-Dichloropropane	<RL		4.9
1,4-Dichlorobenzene	<RL		4.9
2,2-Dichloropropane	<RL		4.9
2-Butanone	2.4	J	4.9
2-Chloroethyl Vinyl Ether	<RL		4.9
2-Chlorotoluene	<RL		4.9
2-Hexanone	<RL		9.8
4-Chlorotoluene	<RL		4.9
4-Methyl-2-Pentanone	<RL		9.8
Acetone	24	JB	98
Acrolein	<RL		98
Acrylonitrile	<RL		4.9
Benzene	<RL		4.9
Bromobenzene	<RL		4.9
Bromochloromethane	<RL		4.9
Bromodichloromethane	<RL		4.9
Bromoform	<RL		4.9
Bromomethane	<RL		9.8
Carbon Disulfide	<RL		4.9
Carbon Tetrachloride	<RL		4.9
Chlorobenzene	<RL		4.9
Chlorodibromomethane	<RL		4.9
Chloroethane	<RL		4.9
Chloroform	<RL		4.9
Chloromethane	<RL		9.8
cis-1,2-Dichloroethene	<RL		4.9
cis-1,3-Dichloropropene	<RL		4.9
cis-1,4-Dichloro-2-Butene	<RL		4.9
Dibromomethane	<RL		4.9
Dichlorodifluoromethane	<RL		9.8
Ethylbenzene	<RL		4.9
Hexachlorobutadiene	<RL		4.9
Iodomethane	<RL		4.9
Isopropylbenzene	<RL		4.9
Methyl Methacrylate	<RL		4.9
Methylene Chloride	<RL		4.9
Methyl-tert-Butyl Ether	<RL		4.9
Naphthalene	3.0	JB	4.9
n-Butylbenzene	<RL		4.9
n-Propylbenzene	<RL		4.9
p-Isopropyltoluene	<RL		4.9

sec-Butylbenzene	<RL		4.9
Styrene	<RL		4.9
tert-butylbenzene	<RL		4.9
Tetrachloroethene	<RL		4.9
Toluene	24		4.9
trans-1,2-Dichloroethene	<RL		4.9
trans-1,3-Dichloropropene	<RL		4.9
trans-1,4-Dichloro-2-Butene	<RL		4.9
Trichloroethene	<RL		4.9
Trichlorofluoromethane	<RL		4.9
Vinyl Acetete	<RL		49
Vinyl Chloride	<RL		2.0
Xylenes (Total)	2.2	J	4.9

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	91		
4-Bromofluorobenzene (Range 75-135)	98		
Toluene-d8 (Range 83-126)	113		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 20-110)	82		
2-Fluorobiphenyl (Range 30-110)	80		
2-Fluorophenol (Range 22-96)	69		
Nitrobenzene-d5 (Range 22-104)	70		
Phenol-d6 (Range 25-100)	73		
p-Terphenyl-d14 (Range 30-130)	95		

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LABORATORY REPORT

Accura Sample ID #: **AC21770** **Accura Project #:** **29050**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/2/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: **1054-SB-6**

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	82		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	81		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		4100
1,2-Dichlorobenzene	<RL		4100
1,3-Dichlorobenzene	<RL		4100
1,4-Dichlorobenzene	<RL		4100
2,4,5-Trichlorophenol	<RL		4100
2,4,6-Trichlorophenol	<RL		4100
2,4-Dichlorophenol	<RL		4100
2,4-Dimethylphenol	<RL		4100
2,4-Dinitrophenol	<RL		20000
2,4-Dinitrotoluene	<RL		4100
2,6-Dinitrotoluene	<RL		4100
2-Chloronaphthalene	<RL		4100
2-Chlorophenol	<RL		4100
2-Methylnaphthalene	19000		4100
2-Methylphenol	<RL		4100
2-Nitroaniline	<RL		8300
2-Nitrophenol	<RL		4100
3,3'-Dichlorobenzidine	<RL		4100
3,4-Methylphenol	<RL		8300
3-Nitroaniline	<RL		8300
4,6-Dinitro-2-methylphenol	<RL		8300
4-Bromophenyl phenyl ether	<RL		4100
4-Chloro-3-methylphenol	<RL		4100
4-Chloroaniline	<RL		4100
4-Chlorophenyl phenyl ether	<RL		4100

4-Nitroaniline	<RL		8300
4-Nitrophenol	<RL		8300
Acenaphthene	700	J	4100
Acenaphthylene	<RL		4100
Anthracene	<RL		4100
Benzidine	<RL		4100
Benzo(a)anthracene	<RL		4100
Benzo(a)pyrene	<RL		4100
Benzo(b)fluoranthene	<RL		4100
Benzo(g,h,i)perylene	<RL		4100
Benzo(k)fluoranthene	<RL		4100
Benzoic acid	<RL		20000
Benzyl alcohol	<RL		4100
bis(2-Chloroethoxy)methane	<RL		4100
bis(2-Chloroethyl)ether	<RL		4100
bis(2-Chloroisopropyl)ether	<RL		4100
bis(2-Ethylhexyl)phthalate	<RL		4100
Butyl benzyl phthalate	<RL		4100
Carbazole	<RL		4100
Chrysene	<RL		4100
Dibenz(a,h)anthracene	<RL		4100
Dibenzofuran	<RL		4100
Diethylphthalate	<RL		4100
Dimethylphthalate	<RL		4100
Di-n-butylphthalate	<RL		4100
Di-n-octylphthalate	<RL		4100
Fluoranthene	<RL		4100
Fluorene	2700	J	4100
Hexachlorobenzene	<RL		4100
Hexachlorobutadiene	<RL		4100
Hexachlorocyclopentadiene	<RL		4100
Hexachloroethane	<RL		4100
Indeno(1,2,3-cd)pyrene	<RL		4100
Isophorone	<RL		4100
Naphthalene	5400		4100
Nitrobenzene	<RL		4100
N-Nitrosodimethylamine	<RL		4100
N-Nitroso-di-n-propylamine	<RL		4100
N-Nitrosodiphenylamine	<RL		4100
Pentachlorophenol	<RL		8300
Phenanthrene	3500	J	4100
Phenol	<RL		4100
Pyrene	<RL		4100

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	8,650		1,230

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/14/01 Date Analyzed: 11/14/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		300
1,1,1-Trichloroethane	<RL		300
1,1,2,2-Tetrachloroethane	<RL		300

1,1,2-Trichloroethane	<RL		300
1,1-Dichloroethane	<RL		300
1,1-Dichloroethene	<RL		300
1,1-Dichloropropene	<RL		300
1,2,3-Trichlorobenzene	<RL		300
1,2,3-Trichloropropane	<RL		300
1,2,4-Trichlorobenzene	<RL		300
1,2,4-Trimethylbenzene	3400		300
1,2-Dibromo-3-Chloropropane	<RL		300
1,2-Dibromoethane	<RL		300
1,2-Dichlorobenzene	<RL		300
1,2-Dichloroethane	<RL		300
1,2-Dichloropropane	<RL		300
1,3,5-Trimethylbenzene	1000		300
1,3-Dichlorobenzene	<RL		300
1,3-Dichloropropane	<RL		300
1,4-Dichlorobenzene	<RL		300
2,2-Dichloropropane	<RL		300
2-Butanone	<RL		300
2-Chloroethyl Vinyl Ether	<RL		300
2-Chlorotoluene	<RL		300
2-Hexanone	<RL		600
4-Chlorotoluene	<RL		300
4-Methyl-2-Pentanone	<RL		600
Acetone	350	J	6000
Acrolein	<RL		6000
Acrylonitrile	<RL		300
Benzene	<RL		300
Bromobenzene	<RL		300
Bromochloromethane	<RL		300
Bromodichloromethane	<RL		300
Bromoform	<RL		300
Bromomethane	<RL		600
Carbon Disulfide	<RL		300
Carbon Tetrachloride	<RL		300
Chlorobenzene	<RL		300
Chlorodibromomethane	<RL		300
Chloroethane	<RL		300
Chloroform	<RL		300
Chloromethane	<RL		600
cis-1,2-Dichloroethene	<RL		300
cis-1,3-Dichloropropene	<RL		300
cis-1,4-Dichloro-2-Butene	<RL		300
Dibromomethane	<RL		300
Dichlorodifluoromethane	<RL		600
Ethylbenzene	310		300
Hexachlorobutadiene	<RL		300
Iodomethane	<RL		300
Isopropylbenzene	260	J	300
Methyl Methacrylate	<RL		300
Methylene Chloride	<RL		300
Methyl-tert-Butyl Ether	<RL		300
Naphthalene	5700		300
n-Butylbenzene	1800		300
n-Propylbenzene	610		300
p-Isopropyltoluene	640		300

sec-Butylbenzene	940		300
Styrene	<RL		300
tert-butylbenzene	1200		300
Tetrachloroethene	<RL		300
Toluene	58	J	300
trans-1,2-Dichloroethene	<RL		300
trans-1,3-Dichloropropene	<RL		300
trans-1,4-Dichloro-2-Butene	<RL		300
Trichloroethene	<RL		300
Trichlorofluoromethane	<RL		300
Vinyl Acetete	<RL		3000
Vinyl Chloride	<RL		120
Xylenes (Total)	1200		300

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/14/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	89		
4-Bromofluorobenzene (Range 75-135)	94		
Toluene-d8 (Range 83-126)	94		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 20-110)	<RL	DO	
2-Fluorobiphenyl (Range 30-110)	<RL	DO	
2-Fluorophenol (Range 22-96)	<RL	DO	
Nitrobenzene-d5 (Range 22-104)	<RL	DO	
Phenol-d6 (Range 25-100)	<RL	DO	
p-Terphenyl-d14 (Range 30-130)	<RL	DO	

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LABORATORY REPORT

Accura Sample ID #: **AC21771** **Accura Project #:** **29050**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/2/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: **1054-SB-7**

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	85		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	82		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		390
1,2-Dichlorobenzene	<RL		390
1,3-Dichlorobenzene	<RL		390
1,4-Dichlorobenzene	<RL		390
2,4,5-Trichlorophenol	<RL		390
2,4,6-Trichlorophenol	<RL		390
2,4-Dichlorophenol	<RL		390
2,4-Dimethylphenol	<RL		390
2,4-Dinitrophenol	<RL		1900
2,4-Dinitrotoluene	<RL		390
2,6-Dinitrotoluene	<RL		390
2-Chloronaphthalene	<RL		390
2-Chlorophenol	<RL		390
2-Methylnaphthalene	<RL		390
2-Methylphenol	<RL		390
2-Nitroaniline	<RL		770
2-Nitrophenol	<RL		390
3,3'-Dichlorobenzidine	<RL		390
3,4-Methylphenol	<RL		770
3-Nitroaniline	<RL		770
4,6-Dinitro-2-methylphenol	<RL		770
4-Bromophenyl phenyl ether	<RL		390
4-Chloro-3-methylphenol	<RL		390
4-Chloroaniline	<RL		390
4-Chlorophenyl phenyl ether	<RL		390

4-Nitroaniline	<RL		770
4-Nitrophenol	<RL		770
Acenaphthene	<RL		390
Acenaphthylene	<RL		390
Anthracene	<RL		390
Benzidine	<RL		390
Benzo(a)anthracene	<RL		390
Benzo(a)pyrene	<RL		390
Benzo(b)fluoranthene	<RL		390
Benzo(g,h,i)perylene	<RL		390
Benzo(k)fluoranthene	<RL		390
Benzoic acid	650	J	1900
Benzyl alcohol	<RL		390
bis(2-Chloroethoxy)methane	<RL		390
bis(2-Chloroethyl)ether	<RL		390
bis(2-Chloroisopropyl)ether	<RL		390
bis(2-Ethylhexyl)phthalate	<RL		390
Butyl benzyl phthalate	<RL		390
Carbazole	<RL		390
Chrysene	<RL		390
Dibenz(a,h)anthracene	<RL		390
Dibenzofuran	<RL		390
Diethylphthalate	<RL		390
Dimethylphthalate	<RL		390
Di-n-butylphthalate	<RL		390
Di-n-octylphthalate	<RL		390
Fluoranthene	<RL		390
Fluorene	<RL		390
Hexachlorobenzene	<RL		390
Hexachlorobutadiene	<RL		390
Hexachlorocyclopentadiene	<RL		390
Hexachloroethane	<RL		390
Indeno(1,2,3-cd)pyrene	<RL		390
Isophorone	<RL		390
Naphthalene	<RL		390
Nitrobenzene	<RL		390
N-Nitrosodimethylamine	<RL		390
N-Nitroso-di-n-propylamine	<RL		390
N-Nitrosodiphenylamine	<RL		390
Pentachlorophenol	<RL		770
Phenanthrene	<RL		390
Phenol	<RL		390
Pyrene	<RL		390

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	9,810		1,230

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		4.7
1,1,1-Trichloroethane	<RL		4.7
1,1,2,2-Tetrachloroethane	<RL		4.7

1,1,2-Trichloroethane	<RL		4.7
1,1-Dichloroethane	<RL		4.7
1,1-Dichloroethene	<RL		4.7
1,1-Dichloropropene	<RL		4.7
1,2,3-Trichlorobenzene	<RL		4.7
1,2,3-Trichloropropane	<RL		4.7
1,2,4-Trichlorobenzene	<RL		4.7
1,2,4-Trimethylbenzene	<RL		4.7
1,2-Dibromo-3-Chloropropane	<RL		4.7
1,2-Dibromoethane	<RL		4.7
1,2-Dichlorobenzene	<RL		4.7
1,2-Dichloroethane	<RL		4.7
1,2-Dichloropropane	<RL		4.7
1,3,5-Trimethylbenzene	<RL		4.7
1,3-Dichlorobenzene	<RL		4.7
1,3-Dichloropropane	<RL		4.7
1,4-Dichlorobenzene	<RL		4.7
2,2-Dichloropropane	<RL		4.7
2-Butanone	<RL		4.7
2-Chloroethyl Vinyl Ether	<RL		4.7
2-Chlorotoluene	<RL		4.7
2-Hexanone	<RL		9.4
4-Chlorotoluene	<RL		4.7
4-Methyl-2-Pentanone	<RL		9.4
Acetone	<RL		94
Acrolein	<RL		94
Acrylonitrile	<RL		4.7
Benzene	<RL		4.7
Bromobenzene	<RL		4.7
Bromochloromethane	<RL		4.7
Bromodichloromethane	<RL		4.7
Bromoform	<RL		4.7
Bromomethane	8.9	J	9.4
Carbon Disulfide	<RL		4.7
Carbon Tetrachloride	<RL		4.7
Chlorobenzene	<RL		4.7
Chlorodibromomethane	<RL		4.7
Chloroethane	<RL		4.7
Chloroform	<RL		4.7
Chloromethane	<RL		9.4
cis-1,2-Dichloroethene	<RL		4.7
cis-1,3-Dichloropropene	<RL		4.7
cis-1,4-Dichloro-2-Butene	<RL		4.7
Dibromomethane	<RL		4.7
Dichlorodifluoromethane	<RL		9.4
Ethylbenzene	<RL		4.7
Hexachlorobutadiene	<RL		4.7
Iodomethane	5.3		4.7
Isopropylbenzene	<RL		4.7
Methyl Methacrylate	<RL		4.7
Methylene Chloride	<RL		4.7
Methyl-tert-Butyl Ether	<RL		4.7
Naphthalene	1.3	JB	4.7
n-Butylbenzene	<RL		4.7
n-Propylbenzene	<RL		4.7
p-Isopropyltoluene	<RL		4.7

sec-Butylbenzene	<RL	4.7
Styrene	<RL	4.7
tert-butylbenzene	<RL	4.7
Tetrachloroethene	<RL	4.7
Toluene	<RL	4.7
trans-1,2-Dichloroethene	<RL	4.7
trans-1,3-Dichloropropene	<RL	4.7
trans-1,4-Dichloro-2-Butene	<RL	4.7
Trichloroethene	<RL	4.7
Trichlorofluoromethane	<RL	4.7
Vinyl Acetete	<RL	47
Vinyl Chloride	<RL	1.9
Xylenes (Total)	<RL	4.7

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	77		
4-Bromofluorobenzene (Range 75-135)	119		
Toluene-d8 (Range 83-126)	118		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 20-110)	81		
2-Fluorobiphenyl (Range 30-110)	76		
2-Fluorophenol (Range 22-96)	61		
Nitrobenzene-d5 (Range 22-104)	68		
Phenol-d6 (Range 25-100)	69		
p-Terphenyl-d14 (Range 30-130)	89		

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LABORATORY REPORT

Accura Sample ID #: AC21772 **Accura Project #:** 29050

Client: US Army Corp of Engrs, Savann. Date Sampled: 11/2/01

Client Contact: MARK HARVISON Date Received: 11/3/01

Client Project Number: TASK ORDER #0159 Date Reported: 12/5/01

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: SOIL

Client Sample ID: 1054-SB-8

ANALYSIS: % Solids Method Ref: EPA 160.3

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/13/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Solids	77		1.0

ANALYSIS: % Solids (ASTM D2216-92) Method Ref: ASTM D2216-9

Date Ext/Dig/Prep: 11/12/01 Date Analyzed: 11/14/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
% Soild	75		1.0

ANALYSIS: SVOC's - USACE (Soil) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		430
1,2-Dichlorobenzene	<RL		430
1,3-Dichlorobenzene	<RL		430
1,4-Dichlorobenzene	<RL		430
2,4,5-Trichlorophenol	<RL		430
2,4,6-Trichlorophenol	<RL		430
2,4-Dichlorophenol	<RL		430
2,4-Dimethylphenol	<RL		430
2,4-Dinitrophenol	<RL		2100
2,4-Dinitrotoluene	<RL		430
2,6-Dinitrotoluene	<RL		430
2-Chloronaphthalene	<RL		430
2-Chlorophenol	<RL		430
2-Methylnaphthalene	<RL		430
2-Methylphenol	<RL		430
2-Nitroaniline	<RL		860
2-Nitrophenol	<RL		430
3,3'-Dichlorobenzidine	<RL		430
3,4-Methylphenol	<RL		860
3-Nitroaniline	<RL		860
4,6-Dinitro-2-methylphenol	<RL		860
4-Bromophenyl phenyl ether	<RL		430
4-Chloro-3-methylphenol	<RL		430
4-Chloroaniline	<RL		430
4-Chlorophenyl phenyl ether	<RL		430

4-Nitroaniline	<RL	860
4-Nitrophenol	<RL	860
Acenaphthene	<RL	430
Acenaphthylene	<RL	430
Anthracene	<RL	430
Benzidine	<RL	430
Benzo(a)anthracene	<RL	430
Benzo(a)pyrene	<RL	430
Benzo(b)fluoranthene	<RL	430
Benzo(g,h,i)perylene	<RL	430
Benzo(k)fluoranthene	<RL	430
Benzoic acid	<RL	2100
Benzyl alcohol	<RL	430
bis(2-Chloroethoxy)methane	<RL	430
bis(2-Chloroethyl)ether	<RL	430
bis(2-Chloroisopropyl)ether	<RL	430
bis(2-Ethylhexyl)phthalate	<RL	430
Butyl benzyl phthalate	<RL	430
Carbazole	<RL	430
Chrysene	<RL	430
Dibenz(a,h)anthracene	<RL	430
Dibenzofuran	<RL	430
Diethylphthalate	<RL	430
Dimethylphthalate	<RL	430
Di-n-butylphthalate	<RL	430
Di-n-octylphthalate	<RL	430
Fluoranthene	<RL	430
Fluorene	<RL	430
Hexachlorobenzene	<RL	430
Hexachlorobutadiene	<RL	430
Hexachlorocyclopentadiene	<RL	430
Hexachloroethane	<RL	430
Indeno(1,2,3-cd)pyrene	<RL	430
Isophorone	<RL	430
Naphthalene	<RL	430
Nitrobenzene	<RL	430
N-Nitrosodimethylamine	<RL	430
N-Nitroso-di-n-propylamine	<RL	430
N-Nitrosodiphenylamine	<RL	430
Pentachlorophenol	<RL	860
Phenanthrene	<RL	430
Phenol	<RL	430
Pyrene	<RL	430

ANALYSIS: TOC (Total Organic Carbon) Method Ref: Walkley-Blac

Date Ext/Dig/Prep: 11/15/01 Date Analyzed: 11/15/01 Result Units: mg/kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Total Organic Carbon	18,400		1,330

ANALYSIS: VOC's - USACE (SOIL) Method Ref: 8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: ug/Kg

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		6.7
1,1,1-Trichloroethane	<RL		6.7
1,1,2,2-Tetrachloroethane	<RL		6.7

1,1,2-Trichloroethane	<RL		6.7
1,1-Dichloroethane	<RL		6.7
1,1-Dichloroethene	<RL		6.7
1,1-Dichloropropene	<RL		6.7
1,2,3-Trichlorobenzene	<RL		6.7
1,2,3-Trichloropropane	<RL		6.7
1,2,4-Trichlorobenzene	<RL		6.7
1,2,4-Trimethylbenzene	<RL		6.7
1,2-Dibromo-3-Chloropropane	<RL		6.7
1,2-Dibromoethane	<RL		6.7
1,2-Dichlorobenzene	<RL		6.7
1,2-Dichloroethane	<RL		6.7
1,2-Dichloropropane	<RL		6.7
1,3,5-Trimethylbenzene	<RL		6.7
1,3-Dichlorobenzene	<RL		6.7
1,3-Dichloropropane	<RL		6.7
1,4-Dichlorobenzene	<RL		6.7
2,2-Dichloropropane	<RL		6.7
2-Butanone	1.9	J	6.7
2-Chloroethyl Vinyl Ether	<RL		6.7
2-Chlorotoluene	<RL		6.7
2-Hexanone	<RL		13
4-Chlorotoluene	<RL		6.7
4-Methyl-2-Pentanone	<RL		13
Acetone	<RL		130
Acrolein	<RL		130
Acrylonitrile	<RL		6.7
Benzene	<RL		6.7
Bromobenzene	<RL		6.7
Bromochloromethane	<RL		6.7
Bromodichloromethane	<RL		6.7
Bromoform	<RL		6.7
Bromomethane	<RL		13
Carbon Disulfide	<RL		6.7
Carbon Tetrachloride	<RL		6.7
Chlorobenzene	<RL		6.7
Chlorodibromomethane	<RL		6.7
Chloroethane	<RL		6.7
Chloroform	<RL		6.7
Chloromethane	<RL		13
cis-1,2-Dichloroethene	<RL		6.7
cis-1,3-Dichloropropene	<RL		6.7
cis-1,4-Dichloro-2-Butene	<RL		6.7
Dibromomethane	<RL		6.7
Dichlorodifluoromethane	<RL		13
Ethylbenzene	<RL		6.7
Hexachlorobutadiene	<RL		6.7
Iodomethane	<RL		6.7
Isopropylbenzene	<RL		6.7
Methyl Methacrylate	<RL		6.7
Methylene Chloride	<RL		6.7
Methyl-tert-Butyl Ether	<RL		6.7
Naphthalene	<RL		6.7
n-Butylbenzene	<RL		6.7
n-Propylbenzene	<RL		6.7
p-Isopropyltoluene	<RL		6.7

sec-Butylbenzene	<RL	6.7
Styrene	<RL	6.7
tert-butylbenzene	<RL	6.7
Tetrachloroethene	<RL	6.7
Toluene	<RL	6.7
trans-1,2-Dichloroethene	<RL	6.7
trans-1,3-Dichloropropene	<RL	6.7
trans-1,4-Dichloro-2-Butene	<RL	6.7
Trichloroethene	<RL	6.7
Trichlorofluoromethane	<RL	6.7
Vinyl Acetete	<RL	67
Vinyl Chloride	<RL	2.7
Xylenes (Total)	<RL	6.7

ANALYSIS: X VOC Sample Surrogates-Soil Method Ref: 5035/8260B

Date Ext/Dig/Prep: 11/9/01 Date Analyzed: 11/9/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (Range 60-136)	75		
4-Bromofluorobenzene (Range 75-135)	125		
Toluene-d8 (Range 83-126)	123		

ANALYSIS: X SVOC Sample Surrogates (Soils) Method Ref: 8270C

Date Ext/Dig/Prep: 11/13/01 Date Analyzed: 11/15/01 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 20-110)	78		
2-Fluorobiphenyl (Range 30-110)	67		
2-Fluorophenol (Range 22-96)	61		
Nitrobenzene-d5 (Range 22-104)	64		
Phenol-d6 (Range 25-100)	63		
p-Terphenyl-d14 (Range 30-130)	86		

Appendix D
Analytical Data – Permanent Well Groundwater

CDM - AECOM
Multimedia Joint Venture

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FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: **AC22296** **Accura Project #:** **29111**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 11/21/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: **1054-MW-1-11-01**

ANALYSIS: VOC's - USACE Method Ref: 8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		5.0
1,1,1-Trichloroethane	<RL		5.0
1,1,2,2-Tetrachloroethane	<RL		5.0
1,1,2-Trichloroethane	<RL		5.0
1,1-Dichloroethane	<RL		5.0
1,1-Dichloroethene	<RL		5.0
1,1-Dichloropropene	<RL		5.0
1,2,3-Trichlorobenzene	<RL		5.0
1,2,3-Trichloropropane	<RL		5.0
1,2,4-Trichlorobenzene	<RL		5.0
1,2,4-Trimethylbenzene	110		5.0
1,2-Dibromo-3-Chloropropane	<RL		5.0
1,2-Dibromoethane	<RL		5.0
1,2-Dichlorobenzene	<RL		5.0
1,2-Dichloroethane	<RL		5.0
1,2-Dichloropropane	<RL		5.0
1,3,5-Trimethylbenzene	29		5.0
1,3-Dichlorobenzene	<RL		5.0
1,3-Dichloropropane	<RL		5.0
1,4-Dichlorobenzene	<RL		5.0
2,2-Dichloropropane	<RL		5.0
2-Butanone	<RL		5.0
2-Chloroethyl Vinyl Ether	<RL		5.0
2-Chlorotoluene	<RL		5.0
2-Hexanone	<RL		10
4-Chlorotoluene	<RL		5.0
4-Methyl-2-Pentanone	<RL		10
Acetone	<RL		100
Acrolein	<RL		100
Acrylonitrile	<RL		5.0
Benzene	5.8		5.0
Bromobenzene	<RL		5.0
Bromochloromethane	<RL		5.0
Bromodichloromethane	<RL		5.0
Bromoform	<RL		5.0
Bromomethane	<RL		10

Carbon Disulfide	<RL	5.0
Carbon Tetrachloride	<RL	5.0
Chlorobenzene	<RL	5.0
Chlorodibromomethane	<RL	5.0
Chloroethane	<RL	5.0
Chloroform	<RL	5.0
Chloromethane	<RL	10
cis-1,2-Dichloroethene	<RL	5.0
cis-1,3-Dichloropropene	<RL	5.0
cis-1,4-Dichloro-2-Butene	<RL	5.0
Dibromomethane	<RL	5.0
Dichlorodifluoromethane	<RL	10
Ethylbenzene	27	5.0
Hexachlorobutadiene	<RL	5.0
Iodomethane	<RL	5.0
Isopropylbenzene	7.6	5.0
Methyl Methacrylate	<RL	5.0
Methylene Chloride	<RL	5.0
Methyl-tert-Butyl Ether	<RL	5.0
Naphthalene	98	5.0
n-Butylbenzene	<RL	5.0
n-Propylbenzene	12	5.0
p-Isopropyltoluene	7.5	5.0
sec-Butylbenzene	8.0	5.0
Styrene	<RL	5.0
tert-butylbenzene	11	5.0
Tetrachloroethene	<RL	5.0
Toluene	<RL	5.0
trans-1,2-Dichloroethene	<RL	5.0
trans-1,3-Dichloropropene	<RL	5.0
trans-1,4-Dichloro-2-Butene	<RL	5.0
Trichloroethene	<RL	5.0
Trichlorofluoromethane	<RL	5.0
Vinyl Acetete	<RL	50
Vinyl Chloride	<RL	2.0
Xylenes (Total)	88	5.0

ANALYSIS: X VOC Sample Surrogates-Waters Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (81-132)	106		
4-Bromofluorobenzene (80-120)	98		
Toluene-d8 (80-119)	95		

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FL Certification # E87429 NC Certification # 483 SC Certification # 98015 USACE-MRD Approved

LABORATORY REPORT

Accura Sample ID #: **AC22218** **Accura Project #:** **29105**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 12/6/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: **1054-MW-1-11-01**

ANALYSIS: BOD (Biochemical Oxygen Demand) Method Ref: SM 5210B

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Biochemical Oxygen Demand	<RL		5.0

ANALYSIS: COD (Chemical Oxygen Demand) Method Ref: SM5220D

Date Ext/Dig/Prep: 11/19/2001 Date Analyzed: 11/19/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Chemical Oxygen Demand	83		10

ANALYSIS: Nitrate Nitrogen 353.3 Method Ref: 353.3

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Nitrate Nitrogen	<RL		0.25

ANALYSIS: Sulfate Method Ref: 9038

Date Ext/Dig/Prep: 11/27/2001 Date Analyzed: 11/27/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Sulfate	10		5

ANALYSIS: SVOC's - USACE Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/27/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		10
1,2-Dichlorobenzene	<RL		10
1,3-Dichlorobenzene	<RL		10
1,4-Dichlorobenzene	<RL		10
1-Methylnaphthalene	95		10
2,4,5-Trichlorophenol	<RL		10
2,4,6-Trichlorophenol	<RL		10
2,4-Dichlorophenol	<RL		10
2,4-Dimethylphenol	<RL		10
2,4-Dinitrophenol	<RL		50
2,4-Dinitrotoluene	<RL		10
2,6-Dinitrotoluene	<RL		10
2-Chloronaphthalene	<RL		10
2-Chlorophenol	<RL		10
2-Methylnaphthalene	120		10

2-Methylphenol	<RL		10
2-Nitroaniline	<RL		20
2-Nitrophenol	<RL		10
3,3'-Dichlorobenzidine	<RL		10
3,4-Methylphenol	<RL		20
3-Nitroaniline	<RL		20
4,6-Dinitro-2-methylphenol	<RL		20
4-Bromophenyl phenyl ether	<RL		10
4-Chloro-3-methylphenol	<RL		10
4-Chloroaniline	<RL		10
4-Chlorophenyl phenyl ether	<RL		10
4-Nitroaniline	<RL		20
4-Nitrophenol	<RL		10
Acenaphthene	3.7	J	10
Acenaphthylene	1.5	J	10
Anthracene	<RL		10
Benzidine	<RL		10
Benzo(a)anthracene	<RL		10
Benzo(a)pyrene	<RL		10
Benzo(b)fluoranthene	<RL		10
Benzo(g,h,i)perylene	<RL		10
Benzo(k)fluoranthene	<RL		10
Benzoic acid	<RL		50
Benzyl alcohol	<RL		10
bis(2-Chloroethoxy)methane	<RL		10
bis(2-Chloroethyl)ether	<RL		10
bis(2-Chloroisopropyl)ether	<RL		10
bis(2-Ethylhexyl)phthalate	<RL		10
Butyl benzyl phthalate	<RL		10
Carbazole	3.0	J	10
Chrysene	<RL		10
Dibenz(a,h)anthracene	<RL		10
Dibenzofuran	<RL		10
Diethylphthalate	<RL		10
Dimethylphthalate	<RL		10
Di-n-butylphthalate	<RL		10
Di-n-octylphthalate	<RL		10
Fluoranthene	<RL		10
Fluorene	6.8	J	10
Hexachlorobenzene	<RL		10
Hexachlorobutadiene	<RL		10
Hexachlorocyclopentadiene	<RL		10
Hexachloroethane	<RL		10
Indeno(1,2,3-cd)pyrene	<RL		10
Isophorone	<RL		10
Naphthalene	67		10
Nitrobenzene	<RL		10
N-Nitrosodimethylamine	<RL		10
N-Nitroso-di-n-propylamine	<RL		10
N-Nitrosodiphenylamine	<RL		10
Pentachlorophenol	<RL		20
Phenanthrene	6.6	J	10
Phenol	<RL		10
Pyrene	<RL		10

ANALYSIS: X SVOC Sample Surrogates (Waters | Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 | Date Analyzed: 11/27/2001 | Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 19-141)	115		
2-Fluorobiphenyl (Range 40-106)	69		
2-Fluorophenol (Range 12-75)	72		
Nitrobenzene-d5 (Range 11-135)	81		
Phenol-d6 (Range 9-71)	77	Z	
p-Terphenyl-d14 (Range 34-128)	67		

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LABORATORY REPORT

Accura Sample ID #: **AC22297** **Accura Project #:** **29111**

Client: US Army Corp of Engrs, Savann. Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 11/21/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: **1054-MW-2-11-01**

ANALYSIS: VOC's - USACE Method Ref: 8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		5.0
1,1,1-Trichloroethane	<RL		5.0
1,1,2,2-Tetrachloroethane	<RL		5.0
1,1,2-Trichloroethane	<RL		5.0
1,1-Dichloroethane	<RL		5.0
1,1-Dichloroethene	<RL		5.0
1,1-Dichloropropene	<RL		5.0
1,2,3-Trichlorobenzene	<RL		5.0
1,2,3-Trichloropropane	<RL		5.0
1,2,4-Trichlorobenzene	<RL		5.0
1,2,4-Trimethylbenzene	3.8	J	5.0
1,2-Dibromo-3-Chloropropane	<RL		5.0
1,2-Dibromoethane	<RL		5.0
1,2-Dichlorobenzene	<RL		5.0
1,2-Dichloroethane	<RL		5.0
1,2-Dichloropropane	<RL		5.0
1,3,5-Trimethylbenzene	<RL		5.0
1,3-Dichlorobenzene	<RL		5.0
1,3-Dichloropropane	<RL		5.0
1,4-Dichlorobenzene	<RL		5.0
2,2-Dichloropropane	<RL		5.0
2-Butanone	<RL		5.0
2-Chloroethyl Vinyl Ether	<RL		5.0
2-Chlorotoluene	<RL		5.0
2-Hexanone	<RL		10
4-Chlorotoluene	<RL		5.0
4-Methyl-2-Pentanone	<RL		10
Acetone	<RL		100
Acrolein	<RL		100
Acrylonitrile	<RL		5.0
Benzene	<RL		5.0
Bromobenzene	<RL		5.0
Bromochloromethane	<RL		5.0
Bromodichloromethane	<RL		5.0
Bromoform	<RL		5.0
Bromomethane	<RL		10

Carbon Disulfide	<RL		5.0
Carbon Tetrachloride	<RL		5.0
Chlorobenzene	<RL		5.0
Chlorodibromomethane	<RL		5.0
Chloroethane	<RL		5.0
Chloroform	<RL		5.0
Chloromethane	<RL		10
cis-1,2-Dichloroethene	<RL		5.0
cis-1,3-Dichloropropene	<RL		5.0
cis-1,4-Dichloro-2-Butene	<RL		5.0
Dibromomethane	<RL		5.0
Dichlorodifluoromethane	<RL		10
Ethylbenzene	<RL		5.0
Hexachlorobutadiene	<RL		5.0
Iodomethane	<RL		5.0
Isopropylbenzene	<RL		5.0
Methyl Methacrylate	<RL		5.0
Methylene Chloride	<RL		5.0
Methyl-tert-Butyl Ether	<RL		5.0
Naphthalene	12		5.0
n-Butylbenzene	<RL		5.0
n-Propylbenzene	<RL		5.0
p-Isopropyltoluene	<RL		5.0
sec-Butylbenzene	<RL		5.0
Styrene	<RL		5.0
tert-butylbenzene	<RL		5.0
Tetrachloroethene	<RL		5.0
Toluene	<RL		5.0
trans-1,2-Dichloroethene	<RL		5.0
trans-1,3-Dichloropropene	<RL		5.0
trans-1,4-Dichloro-2-Butene	<RL		5.0
Trichloroethene	<RL		5.0
Trichlorofluoromethane	<RL		5.0
Vinyl Acetete	<RL		50
Vinyl Chloride	<RL		2.0
Xylenes (Total)	2.5	J	5.0

ANALYSIS: X VOC Sample Surrogates-Waters Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (81-132)	99		
4-Bromofluorobenzene (80-120)	96		
Toluene-d8 (80-119)	93		

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LABORATORY REPORT

Accura Sample ID #: AC22219 **Accura Project #:** 29105

Client: US Army Corp of Engrs, Savann. Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 12/6/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: 1054-MW-2-11-01

ANALYSIS: BOD (Biochemical Oxygen Demand) Method Ref: SM 5210B

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Biochemical Oxygen Demand	<RL		5.0

ANALYSIS: COD (Chemical Oxygen Demand) Method Ref: SM5220D

Date Ext/Dig/Prep: 11/16/2001 Date Analyzed: 11/16/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Chemical Oxygen Demand	210		10

ANALYSIS: Nitrate Nitrogen 353.3 Method Ref: 353.3

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Nitrate Nitrogen	<RL		0.25

ANALYSIS: Sulfate Method Ref: 9038

Date Ext/Dig/Prep: 11/27/2001 Date Analyzed: 11/27/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Sulfate	200		50

ANALYSIS: SVOC's - USACE Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/27/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		10
1,2-Dichlorobenzene	<RL		10
1,3-Dichlorobenzene	<RL		10
1,4-Dichlorobenzene	<RL		10
1-Methylnaphthalene	2.5	J	10
2,4,5-Trichlorophenol	<RL		10
2,4,6-Trichlorophenol	<RL		10
2,4-Dichlorophenol	<RL		10
2,4-Dimethylphenol	<RL		10
2,4-Dinitrophenol	<RL		50
2,4-Dinitrotoluene	<RL		10
2,6-Dinitrotoluene	<RL		10
2-Chloronaphthalene	<RL		10
2-Chlorophenol	<RL		10
2-Methylnaphthalene	2.4	J	10

2-Methylphenol	<RL		10
2-Nitroaniline	<RL		20
2-Nitrophenol	<RL		10
3,3'-Dichlorobenzidine	<RL		10
3,4-Methylphenol	<RL		20
3-Nitroaniline	<RL		20
4,6-Dinitro-2-methylphenol	<RL		20
4-Bromophenyl phenyl ether	<RL		10
4-Chloro-3-methylphenol	<RL		10
4-Chloroaniline	<RL		10
4-Chlorophenyl phenyl ether	<RL		10
4-Nitroaniline	<RL		20
4-Nitrophenol	<RL		10
Acenaphthene	<RL		10
Acenaphthylene	<RL		10
Anthracene	<RL		10
Benzidine	<RL		10
Benzo(a)anthracene	<RL		10
Benzo(a)pyrene	<RL		10
Benzo(b)fluoranthene	<RL		10
Benzo(g,h,i)perylene	<RL		10
Benzo(k)fluoranthene	<RL		10
Benzoic acid	<RL		50
Benzyl alcohol	<RL		10
bis(2-Chloroethoxy)methane	<RL		10
bis(2-Chloroethyl)ether	<RL		10
bis(2-Chloroisopropyl)ether	<RL		10
bis(2-Ethylhexyl)phthalate	<RL		10
Butyl benzyl phthalate	<RL		10
Carbazole	<RL		10
Chrysene	<RL		10
Dibenz(a,h)anthracene	<RL		10
Dibenzofuran	<RL		10
Diethylphthalate	<RL		10
Dimethylphthalate	<RL		10
Di-n-butylphthalate	<RL		10
Di-n-octylphthalate	<RL		10
Fluoranthene	<RL		10
Fluorene	<RL		10
Hexachlorobenzene	<RL		10
Hexachlorobutadiene	<RL		10
Hexachlorocyclopentadiene	<RL		10
Hexachloroethane	<RL		10
Indeno(1,2,3-cd)pyrene	<RL		10
Isophorone	<RL		10
Naphthalene	3.7	J	10
Nitrobenzene	<RL		10
N-Nitrosodimethylamine	<RL		10
N-Nitroso-di-n-propylamine	<RL		10
N-Nitrosodiphenylamine	<RL		10
Pentachlorophenol	<RL		20
Phenanthrene	<RL		10
Phenol	<RL		10
Pyrene	<RL		10

ANALYSIS: **X SVOC Sample Surrogates (Waters** Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/27/2001 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 19-141)	115		
2-Fluorobiphenyl (Range 40-106)	89		
2-Fluorophenol (Range 12-75)	78	Z	
Nitrobenzene-d5 (Range 11-135)	89		
Phenol-d6 (Range 9-71)	84	Z	
p-Terphenyl-d14 (Range 34-128)	43		

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LABORATORY REPORT

Accura Sample ID #: **AC22298** **Accura Project #:** **29111**

Client: US Army Corp of Engrs, Savann. Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 11/21/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: **1054-MW-3-11-01**

ANALYSIS: VOC's - USACE Method Ref: 8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		5.0
1,1,1-Trichloroethane	<RL		5.0
1,1,2,2-Tetrachloroethane	<RL		5.0
1,1,2-Trichloroethane	<RL		5.0
1,1-Dichloroethane	<RL		5.0
1,1-Dichloroethene	<RL		5.0
1,1-Dichloropropene	<RL		5.0
1,2,3-Trichlorobenzene	<RL		5.0
1,2,3-Trichloropropane	<RL		5.0
1,2,4-Trichlorobenzene	<RL		5.0
1,2,4-Trimethylbenzene	<RL		5.0
1,2-Dibromo-3-Chloropropane	<RL		5.0
1,2-Dibromoethane	<RL		5.0
1,2-Dichlorobenzene	<RL		5.0
1,2-Dichloroethane	<RL		5.0
1,2-Dichloropropane	<RL		5.0
1,3,5-Trimethylbenzene	<RL		5.0
1,3-Dichlorobenzene	<RL		5.0
1,3-Dichloropropane	<RL		5.0
1,4-Dichlorobenzene	<RL		5.0
2,2-Dichloropropane	<RL		5.0
2-Butanone	<RL		5.0
2-Chloroethyl Vinyl Ether	<RL		5.0
2-Chlorotoluene	<RL		5.0
2-Hexanone	<RL		10
4-Chlorotoluene	<RL		5.0
4-Methyl-2-Pentanone	<RL		10
Acetone	<RL		100
Acrolein	<RL		100
Acrylonitrile	<RL		5.0
Benzene	<RL		5.0
Bromobenzene	<RL		5.0
Bromochloromethane	<RL		5.0
Bromodichloromethane	<RL		5.0
Bromoform	<RL		5.0
Bromomethane	<RL		10

Carbon Disulfide	<RL		5.0
Carbon Tetrachloride	<RL		5.0
Chlorobenzene	<RL		5.0
Chlorodibromomethane	<RL		5.0
Chloroethane	<RL		5.0
Chloroform	<RL		5.0
Chloromethane	<RL		10
cis-1,2-Dichloroethene	<RL		5.0
cis-1,3-Dichloropropene	<RL		5.0
cis-1,4-Dichloro-2-Butene	<RL		5.0
Dibromomethane	<RL		5.0
Dichlorodifluoromethane	<RL		10
Ethylbenzene	<RL		5.0
Hexachlorobutadiene	<RL		5.0
Iodomethane	<RL		5.0
Isopropylbenzene	<RL		5.0
Methyl Methacrylate	<RL		5.0
Methylene Chloride	<RL		5.0
Methyl-tert-Butyl Ether	<RL		5.0
Naphthalene	2.2	J	5.0
n-Butylbenzene	<RL		5.0
n-Propylbenzene	<RL		5.0
p-Isopropyltoluene	<RL		5.0
sec-Butylbenzene	<RL		5.0
Styrene	<RL		5.0
tert-butylbenzene	<RL		5.0
Tetrachloroethene	<RL		5.0
Toluene	<RL		5.0
trans-1,2-Dichloroethene	<RL		5.0
trans-1,3-Dichloropropene	<RL		5.0
trans-1,4-Dichloro-2-Butene	<RL		5.0
Trichloroethene	<RL		5.0
Trichlorofluoromethane	<RL		5.0
Vinyl Acetete	<RL		50
Vinyl Chloride	<RL		2.0
Xylenes (Total)	<RL		5.0

ANALYSIS: X VOC Sample Surrogates-Waters Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (81-132)	99		
4-Bromofluorobenzene (80-120)	98		
Toluene-d8 (80-119)	94		

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LABORATORY REPORT

Accura Sample ID #: AC22220 **Accura Project #:** 29105

Client: US Army Corp of Engrs, Savann. Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 12/7/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: 1054-MW-3-11-01

ANALYSIS: BOD (Biochemical Oxygen Demand) Method Ref: SM 5210B

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Biochemical Oxygen Demand	8.8		5.0

ANALYSIS: COD (Chemical Oxygen Demand) Method Ref: SM5220D

Date Ext/Dig/Prep: 11/16/2001 Date Analyzed: 11/16/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Chemical Oxygen Demand	99		10

ANALYSIS: Nitrate Nitrogen 353.3 Method Ref: 353.3

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Nitrate Nitrogen	0.25		0.25

ANALYSIS: Sulfate Method Ref: 9038

Date Ext/Dig/Prep: 11/27/2001 Date Analyzed: 11/27/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Sulfate	8		5

ANALYSIS: SVOC's - USACE Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/27/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		10
1,2-Dichlorobenzene	<RL		10
1,3-Dichlorobenzene	<RL		10
1,4-Dichlorobenzene	<RL		10
1-Methylnaphthalene	<RL		10
2,4,5-Trichlorophenol	<RL		10
2,4,6-Trichlorophenol	<RL		10
2,4-Dichlorophenol	<RL		10
2,4-Dimethylphenol	<RL		10
2,4-Dinitrophenol	<RL		50
2,4-Dinitrotoluene	<RL		10
2,6-Dinitrotoluene	<RL		10
2-Chloronaphthalene	<RL		10
2-Chlorophenol	<RL		10
2-Methylnaphthalene	<RL		10

2-Methylphenol	<RL	10
2-Nitroaniline	<RL	20
2-Nitrophenol	<RL	10
3,3'-Dichlorobenzidine	<RL	10
3,4-Methylphenol	<RL	20
3-Nitroaniline	<RL	20
4,6-Dinitro-2-methylphenol	<RL	20
4-Bromophenyl phenyl ether	<RL	10
4-Chloro-3-methylphenol	<RL	10
4-Chloroaniline	<RL	10
4-Chlorophenyl phenyl ether	<RL	10
4-Nitroaniline	<RL	20
4-Nitrophenol	<RL	10
Acenaphthene	<RL	10
Acenaphthylene	<RL	10
Anthracene	<RL	10
Benzidine	<RL	10
Benzo(a)anthracene	<RL	10
Benzo(a)pyrene	<RL	10
Benzo(b)fluoranthene	<RL	10
Benzo(g,h,i)perylene	<RL	10
Benzo(k)fluoranthene	<RL	10
Benzoic acid	<RL	50
Benzyl alcohol	<RL	10
bis(2-Chloroethoxy)methane	<RL	10
bis(2-Chloroethyl)ether	<RL	10
bis(2-Chloroisopropyl)ether	<RL	10
bis(2-Ethylhexyl)phthalate	<RL	10
Butyl benzyl phthalate	<RL	10
Carbazole	<RL	10
Chrysene	<RL	10
Dibenz(a,h)anthracene	<RL	10
Dibenzofuran	<RL	10
Diethylphthalate	<RL	10
Dimethylphthalate	<RL	10
Di-n-butylphthalate	<RL	10
Di-n-octylphthalate	<RL	10
Fluoranthene	<RL	10
Fluorene	<RL	10
Hexachlorobenzene	<RL	10
Hexachlorobutadiene	<RL	10
Hexachlorocyclopentadiene	<RL	10
Hexachloroethane	<RL	10
Indeno(1,2,3-cd)pyrene	<RL	10
Isophorone	<RL	10
Naphthalene	<RL	10
Nitrobenzene	<RL	10
N-Nitrosodimethylamine	<RL	10
N-Nitroso-di-n-propylamine	<RL	10
N-Nitrosodiphenylamine	<RL	10
Pentachlorophenol	<RL	20
Phenanthrene	<RL	10
Phenol	<RL	10
Pyrene	<RL	10

ANALYSIS: X SVOC Sample Surrogates (Waters | Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 | Date Analyzed: 11/27/2001 | Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 19-141)	110		
2-Fluorobiphenyl (Range 40-106)	80		
2-Fluorophenol (Range 12-75)	77	Z	
Nitrobenzene-d5 (Range 11-135)	85		
Phenol-d6 (Range 9-71)	83	Z	
p-Terphenyl-d14 (Range 34-128)	68		

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LABORATORY REPORT

Accura Sample ID #: **AC22299** **Accura Project #:** **29111**

Client: **US Army Corp of Engrs, Savann.** Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 11/21/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: **1054-MW-4-11-01**

ANALYSIS: VOC's - USACE Method Ref: 8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,1,1,2-Tetrachloroethane	<RL		5.0
1,1,1-Trichloroethane	<RL		5.0
1,1,2,2-Tetrachloroethane	<RL		5.0
1,1,2-Trichloroethane	<RL		5.0
1,1-Dichloroethane	<RL		5.0
1,1-Dichloroethene	<RL		5.0
1,1-Dichloropropene	<RL		5.0
1,2,3-Trichlorobenzene	<RL		5.0
1,2,3-Trichloropropane	<RL		5.0
1,2,4-Trichlorobenzene	<RL		5.0
1,2,4-Trimethylbenzene	<RL		5.0
1,2-Dibromo-3-Chloropropane	<RL		5.0
1,2-Dibromoethane	<RL		5.0
1,2-Dichlorobenzene	<RL		5.0
1,2-Dichloroethane	<RL		5.0
1,2-Dichloropropane	<RL		5.0
1,3,5-Trimethylbenzene	<RL		5.0
1,3-Dichlorobenzene	<RL		5.0
1,3-Dichloropropane	<RL		5.0
1,4-Dichlorobenzene	<RL		5.0
2,2-Dichloropropane	<RL		5.0
2-Butanone	<RL		5.0
2-Chloroethyl Vinyl Ether	<RL		5.0
2-Chlorotoluene	<RL		5.0
2-Hexanone	<RL		10
4-Chlorotoluene	<RL		5.0
4-Methyl-2-Pentanone	<RL		10
Acetone	<RL		100
Acrolein	<RL		100
Acrylonitrile	<RL		5.0
Benzene	<RL		5.0
Bromobenzene	<RL		5.0
Bromochloromethane	<RL		5.0
Bromodichloromethane	<RL		5.0
Bromoform	<RL		5.0
Bromomethane	<RL		10

Carbon Disulfide	<RL	5.0
Carbon Tetrachloride	<RL	5.0
Chlorobenzene	<RL	5.0
Chlorodibromomethane	<RL	5.0
Chloroethane	<RL	5.0
Chloroform	<RL	5.0
Chloromethane	<RL	10
cis-1,2-Dichloroethene	<RL	5.0
cis-1,3-Dichloropropene	<RL	5.0
cis-1,4-Dichloro-2-Butene	<RL	5.0
Dibromomethane	<RL	5.0
Dichlorodifluoromethane	<RL	10
Ethylbenzene	<RL	5.0
Hexachlorobutadiene	<RL	5.0
Iodomethane	<RL	5.0
Isopropylbenzene	<RL	5.0
Methyl Methacrylate	<RL	5.0
Methylene Chloride	<RL	5.0
Methyl-tert-Butyl Ether	<RL	5.0
Naphthalene	<RL	5.0
n-Butylbenzene	<RL	5.0
n-Propylbenzene	<RL	5.0
p-Isopropyltoluene	<RL	5.0
sec-Butylbenzene	<RL	5.0
Styrene	<RL	5.0
tert-butylbenzene	<RL	5.0
Tetrachloroethene	<RL	5.0
Toluene	<RL	5.0
trans-1,2-Dichloroethene	<RL	5.0
trans-1,3-Dichloropropene	<RL	5.0
trans-1,4-Dichloro-2-Butene	<RL	5.0
Trichloroethene	<RL	5.0
Trichlorofluoromethane	<RL	5.0
Vinyl Acetete	<RL	50
Vinyl Chloride	<RL	2.0
Xylenes (Total)	<RL	5.0

ANALYSIS: X VOC Sample Surrogates-Waters Method Ref: 5030B/8260B

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/14/2001 Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2-Dichloroethane-d4 (81-132)	99		
4-Bromofluorobenzene (80-120)	100		
Toluene-d8 (80-119)	96		

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LABORATORY REPORT

Accura Sample ID #: AC22221 **Accura Project #:** 29105

Client: US Army Corp of Engrs, Savann. Date Sampled: 11/9/2001

Client Contact: MARK HARVISON Date Received: 11/10/2001

Client Project Number: TASK ORDER #0159 Date Reported: 12/7/2001

Client Project Name: MCAS BEAUFORT DAY TANKS, SC Sample Matrix: WATER

Client Sample ID: 1054-MW-4-11-01

ANALYSIS: BOD (Biochemical Oxygen Demand) Method Ref: SM 5210B

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Biochemical Oxygen Demand	<RL		5.0

ANALYSIS: COD (Chemical Oxygen Demand) Method Ref: SM5220D

Date Ext/Dig/Prep: 11/16/2001 Date Analyzed: 11/16/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Chemical Oxygen Demand	120		10

ANALYSIS: Nitrate Nitrogen 353.3 Method Ref: 353.3

Date Ext/Dig/Prep: 11/10/2001 Date Analyzed: 11/15/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Nitrate Nitrogen	0.25		0.25

ANALYSIS: Sulfate Method Ref: 9038

Date Ext/Dig/Prep: 11/27/2001 Date Analyzed: 11/27/2001 Result Units: mg/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
Sulfate	<RL		5

ANALYSIS: SVOC's - USACE Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 Date Analyzed: 11/27/2001 Result Units: ug/L

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
1,2,4-Trichlorobenzene	<RL		10
1,2-Dichlorobenzene	<RL		10
1,3-Dichlorobenzene	<RL		10
1,4-Dichlorobenzene	<RL		10
1-Methylnaphthalene	<RL		10
2,4,5-Trichlorophenol	<RL		10
2,4,6-Trichlorophenol	<RL		10
2,4-Dichlorophenol	<RL		10
2,4-Dimethylphenol	<RL		10
2,4-Dinitrophenol	<RL		50
2,4-Dinitrotoluene	<RL		10
2,6-Dinitrotoluene	<RL		10
2-Chloronaphthalene	<RL		10
2-Chlorophenol	<RL		10
2-Methylnaphthalene	<RL		10

2-Methylphenol	<RL		10
2-Nitroaniline	<RL		20
2-Nitrophenol	<RL		10
3,3'-Dichlorobenzidine	<RL		10
3,4-Methylphenol	3.3	J	20
3-Nitroaniline	<RL		20
4,6-Dinitro-2-methylphenol	<RL		20
4-Bromophenyl phenyl ether	<RL		10
4-Chloro-3-methylphenol	<RL		10
4-Chloroaniline	<RL		10
4-Chlorophenyl phenyl ether	<RL		10
4-Nitroaniline	<RL		20
4-Nitrophenol	<RL		10
Acenaphthene	<RL		10
Acenaphthylene	<RL		10
Anthracene	<RL		10
Benzidine	<RL		10
Benzo(a)anthracene	<RL		10
Benzo(a)pyrene	<RL		10
Benzo(b)fluoranthene	<RL		10
Benzo(g,h,i)perylene	<RL		10
Benzo(k)fluoranthene	<RL		10
Benzoic acid	<RL		50
Benzyl alcohol	<RL		10
bis(2-Chloroethoxy)methane	<RL		10
bis(2-Chloroethyl)ether	<RL		10
bis(2-Chloroisopropyl)ether	<RL		10
bis(2-Ethylhexyl)phthalate	<RL		10
Butyl benzyl phthalate	<RL		10
Carbazole	<RL		10
Chrysene	<RL		10
Dibenz(a,h)anthracene	<RL		10
Dibenzofuran	<RL		10
Diethylphthalate	<RL		10
Dimethylphthalate	<RL		10
Di-n-butylphthalate	<RL		10
Di-n-octylphthalate	<RL		10
Fluoranthene	<RL		10
Fluorene	<RL		10
Hexachlorobenzene	<RL		10
Hexachlorobutadiene	<RL		10
Hexachlorocyclopentadiene	<RL		10
Hexachloroethane	<RL		10
Indeno(1,2,3-cd)pyrene	<RL		10
Isophorone	<RL		10
Naphthalene	<RL		10
Nitrobenzene	<RL		10
N-Nitrosodimethylamine	<RL		10
N-Nitroso-di-n-propylamine	<RL		10
N-Nitrosodiphenylamine	<RL		10
Pentachlorophenol	<RL		20
Phenanthrene	<RL		10
Phenol	<RL		10
Pyrene	<RL		10

ANALYSIS: X SVOC Sample Surrogates (Waters | Method Ref: 8270C

Date Ext/Dig/Prep: 11/14/2001 | Date Analyzed: 11/27/2001 | Result Units: %

Analyte Name	Analytical Results	Qualifier	Reported Detection Limits
2,4,6-Tribromophenol (Range 19-141)	113		
2-Fluorobiphenyl (Range 40-106)	79		
2-Fluorophenol (Range 12-75)	77	Z	
Nitrobenzene-d5 (Range 11-135)	85		
Phenol-d6 (Range 9-71)	83	Z	
p-Terphenyl-d14 (Range 34-128)	51		

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method 8260B
Prep Method. EPA 5030
Analytical Batch 1566

Sample ID: 1054-MW-5-12-02
Project ID Laural Bay
Project Num 1734
Lab Sample ID: 173406
Date Collected: 12/18/02 Time: 10:55
Dilution Factor: 5
Date Analyzed: 12/27/02 Time: 14:40
Date Received: 12/20/02 8.10:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	1 11	10
71-55-6	1,1,1-Trichloroethane		µg/l	U	0 9	10
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0 5	10
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.715	10
75-34-3	1,1-Dichloroethane		µg/l	U	1 07	10
75-35-4	1,1-Dichloroethene		µg/l	U	0 915	10
563-58-6	1,1-Dichloropropene		µg/l	U	0 5	10
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.71	10
96-18-4	1,2,3-Trichloropropane		µg/l	U	0 535	10
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0 54	10
95-63-6	1,2,4-Trimethylbenzene	87 4	µg/l		0 555	10
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0.665	10
106-93-4	1,2-Dibromoethane		µg/l	U	0.585	10
95-50-1	1,2-Dichlorobenzene		µg/l	U	0 705	10
107-06-2	1,2-Dichloroethane		µg/l	U	0.91	10
78-87-5	1,2-Dichloropropane		µg/l	U	0 595	10
108-67-8	1,3,5-Trimethylbenzene	22.7	µg/l		0.565	10
541-73-1	1,3-Dichlorobenzene		µg/l	U	0.945	10
142-28-9	1,3-Dichloropropane		µg/l	U	0 535	10
106-46-7	1,4-Dichlorobenzene		µg/l	U	0.75	10
590-20-7	2,2-Dichloropropane		µg/l	U	0.54	10
78-93-3	2-Butanone		µg/l	U	2 41	10
95-49-8	2-Chlorotoluene		µg/l	U	0 53	10
591-78-6	2-Hexanone		µg/l	U	0.815	10
106-43-4	4-Chlorotoluene		µg/l	U	0 5	10
99-87-6	4-Isopropyltoluene	4 34	µg/l	J	0 5	10
108-10-1	4-Methyl-2-pentanone		µg/l	U	0 64	10
67-64-1	Acetone		µg/l	U	3.06	10
71-43-2	Benzene	16.2	µg/l		0.695	10
108-86-1	Bromobenzene		µg/l	U	0.78	10
74-97-5	Bromochloromethane		µg/l	U	0 825	10
75-27-4	Bromodichloromethane		µg/l	U	0 675	10
75-25-2	Bromoform		µg/l	U	0.815	10
74-83-9	Bromomethane		µg/l	U	1 01	10
75-15-0	Carbon disulfide		µg/l	U	0 915	10
56-23-5	Carbon tetrachloride		µg/l	U	0 685	10
108-90-7	Chlorobenzene		µg/l	U	0.78	10
75-00-3	Chloroethane		µg/l	U	1 03	10

EPA Lab Code:KS00902
Kansas Certification.E-10254

FORM I VOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1566

Sample ID. 1054-MW-5-12-02
Project ID Laural Bay
Project Num 1734
Lab Sample ID: 173406
Date Collected: 12/18/02 Time: 10:55
Dilution Factor: 5
Date Analyzed: 12/27/02 Time: 14:40
Date Received: 12/20/02 8.10:00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
67-66-3	Chloroform		µg/l	U	1.07	10
74-87-3	Chloromethane		µg/l	U	0.865	10
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.755	10
10061-01-5	cis-1,3-Dichloroprcpene		µg/l	U	0 5	10
124-48-1	Dibromochloromethane		µg/l	U	0 665	10
74-95-3	Dibromomethane		µg/l	U	0 5	10
75-71-8	Dichlorodifluoromethane		µg/l	U	2 5	10
100-41-4	Ethylbenzene	40 4	µg/l		0 5	10
87-68-3	Hexachlorobutadiene		µg/l	U	0 96	10
98-82-8	Isopropylbenzene	9 27	µg/l	J	0 5	10
75-09-2	Methylene chloride		µg/l	U	1 99	10
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0 5	10
m+p xylene	m-Xylene and p-Xylene	31.7	µg/l		1.08	10
91-20-3	Naphthalene	76	µg/l		0 695	10
104-51-8	n-Butylbenzene		µg/l	U	0 7	10
103-65-1	n-Propylbenzene	13 2	µg/l		0.5	10
95-47-6	o-Xylene	28 4	µg/l		0 51	10
135-98-8	sec-Butylbenzene		µg/l	U	0 665	10
100-42-5	Styrene		µg/l	U	0.5	10
98-06-6	tert-Butylbenzene		µg/l	U	0 85	10
127-18-4	Tetrachloroethene		µg/l	U	0 575	10
108-88-3	Toluene		µg/l	U	0.525	10
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0 76	10
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0 5	10
79-01-6	Trichloroethene		µg/l	U	0 755	10
75-69-4	Trichlorofluoromethane		µg/l	U	0.555	10
108-05-4	Vinyl acetate		µg/l	U	2.5	10
75-01-4	Vinyl chloride		µg/l	U	1 2	10

1 - Equivalent

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix. W
Sample g/ml: 200
% Solids: not dec.
Instrument ID S5973A
Extract Volume: 1 (mL)
Dilution Factor. 2
Analytical Method: EPA 8270
Prep Method. EPA 3510

Sample ID. 1054-MW-5-12-02
Project ID Laural Bay
Project Num 1734
Lab Sample ID: 173406
Analytical Batch 1184 Prep Batch 9248
Date Collected: 12/18/02 Time: 10.55
Date Received: 12/20/02 8:10 00 AM
Date Analyzed: 12/28/02 Time: 1:13
Date Prepared: 12/24/02 Time: 17:00

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	2 5	100
95-50-1	1,2-Dichlorobenzene		µg/l	U	2.3	100
541-73-1	1,3-Dichlorobenzene		µg/l	U	3.6	100
106-46-7	1,4-Dichlorobenzene		µg/l	U	2	100
95-95-4	2,4,5-Trichlorophenol		µg/l	U	8 6	100
88-06-2	2,4,6-Trichlorophenol		µg/l	U	6 7	100
120-83-2	2,4-Dichlorophenol		µg/l	U	3.6	100
105-67-9	2,4-Dimethylphenol		µg/l	U	2 6	100
51-28-5	2,4-Dinitrophenol		µg/l	U	15.9	100
121-14-2	2,4-Dinitrotoluene		µg/l	U	3 5	100
606-20-2	2,6-Dinitrotoluene		µg/l	U	2 4	100
91-58-7	2-Chloronaphthalene		µg/l	U	1.6	100
95-57-8	2-Chlorophenol		µg/l	U	1 2	100
534-52-1	2-Methyl-4,6-dinitrophenol		µg/l	U	10	100
91-57-6	2-Methylnaphthalene		µg/l	U	26 2	100
95-48-7	2-Methylphenol (o-Cresol)		µg/l	U	3 1	100
88-74-4	2-Nitroaniline		µg/l	U	4 3	100
88-75-5	2-Nitrophenol		µg/l	U	3 5	100
99-09-2	3-Nitroaniline		µg/l	U	3 4	100
101-55-3	4-Bromophenyl-phenylether		µg/l	U	3 6	100
59-50-7	4-Chloro-3-methylphenol		µg/l	U	2.5	100
106-47-8	4-Chloroaniline		µg/l	U	8 7	100
7005-72-3	4-Chlorophenyl-phenylether		µg/l	U	7.7	100
106-44-5	4-Methylphenol (p-Cresol)		µg/l	U	1 5	100
100-01-6	4-Nitroaniline		µg/l	U	35.3	100
100-02-7	4-Nitrophenol		µg/l	U	8.1	100
83-32-9	Acenaphthene		µg/l	U	1.8	100
208-96-8	Acenaphthylene		µg/l	U	1 2	100
120-12-7	Anthracene		µg/l	U	2.2	100
56-55-3	Benzo(a)anthracene		µg/l	U	3 4	100
50-32-8	Benzo(a)pyrene		µg/l	U	6.6	100
205-99-2	Benzo(b)fluoranthene		µg/l	U	16.6	100
191-24-2	Benzo(g,h,i)perylene		µg/l	U	24.4	100
207-08-9	Benzo(k)fluoranthene		µg/l	U	30.2	100

EPA Lab Code: KS00902
Kansas Certification: E-10254

FORM I SVOA - Equivalent

1 - Equivalent

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Sample ID: 1054-MW-5-12-02
Client ID. CESAS
Project ID Laural Bay
Matrix. W
Project Num 1734
Sample g/ml: 200
Lab Sample ID: 173406
% Solids: not dec.
Analytical Batch 1184
Prep Batch 9248
Instrument ID S5973A
Date Collected: 12/18/02
Time: 10:55
Extract Volume: 1 (mL)
Date Received: 12/20/02 8 10:00 AM
Dilution Factor: 2
Analytical Method: EPA 8270
Date Analyzed: 12/28/02
Time: 1:13
Prep Method: EPA 3510
Date Prepared: 12/24/02
Time: 17:00

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
111-91-1	Bis(2-Chloroethoxy)methane		µg/l	U	2.1	100
111-44-4	Bis(2-Chloroethyl)ether		µg/l	U	2.6	100
108-60-1	bis(2-chloroisopropyl)ethe		µg/l	U	4.4	100
117-81-7	bis(2-ethylhexyl)phthalate		µg/l	U	9.3	100
85-68-7	Butylbenzylphthalate		µg/l	U	4.1	100
218-01-9	Chrysene		µg/l	U	4	100
53-70-3	Dibenz(a,h)anthracene		µg/l	U	22 6	100
132-64-9	Dibenzofuran		µg/l	U	1.7	100
84-66-2	Diethylphthalate		µg/l	U	4 1	100
131-11-3	Dimethylphthalate		µg/l	U	3.1	100
84-74-2	Di-n-butylphthalate		µg/l	U	2.2	100
117-84-0	Di-n-octylphthalate		µg/l	U	18 8	100
206-44-0	Fluoranthene		µg/l	U	2 2	100
86-73-7	Fluorene		µg/l	U	4.2	100
118-74-1	Hexachlorobenzene		µg/l	U	6.2	100
87-68-3	Hexachlorobutadiene		µg/l	U	9 5	100
77-47-4	Hexachlorocyclopentadiene		µg/l	U	3.2	100
67-72-1	Hexachloroethane		µg/l	U	3 1	100
193-39-5	Indeno(1,2,3-cd)pyrene		µg/l	U	32.4	100
78-59-1	Isophorone		µg/l	U	1.2	100
91-20-3	Naphthalene		µg/l	U	2 4	100
98-95-3	Nitrobenzene		µg/l	U	3 3	100
621-64-7	N-Nitroso-di-n-propylamine		µg/l	U	3 6	100
87-86-5	Pentachlorophenol		µg/l	U	9	100
85-01-8	Phenanthrene		µg/l	U	2 4	100
108-95-2	Phenol		µg/l	U	1 2	100
129-00-0	Pyrene		µg/l	U	4	100

EPA Lab Code:KS00902

Kansas Certification E-10254

FORM I SVOA - Equivalent

1A - Equivalent
VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix: W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1565

Sample ID: 1054-MW-6-12-02
Project ID Laural Bay
Project Num 1734
Lab Sample ID: 173405
Date Collected: 12/18/02 Time: 10:15
Dilution Factor: 1
Date Analyzed: 12/26/02 Time: 22:41
Date Received. 12/20/02 8:10.00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
630-20-6	1,1,1,2-Tetrachloroethane		µg/l	U	0 222	2
71-55-6	1,1,1-Trichloroethane		µg/l	U	0.18	2
79-34-5	1,1,2,2-Tetrachloroethane		µg/l	U	0 1	2
79-00-5	1,1,2-Trichloroethane		µg/l	U	0.143	2
75-34-3	1,1-Dichloroethane		µg/l	U	0.214	2
75-35-4	1,1-Dichloroethene		µg/l	U	0.183	2
563-58-6	1 1-Dichloropropene		µg/l	U	0.1	2
87-61-6	1,2,3-Trichlorobenzene		µg/l	U	0.142	2
96-18-4	1,2,3-Trichloropropane		µg/l	U	0.107	2
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0 108	2
95-63-6	1,2,4-Trimethylbenzene	146	µg/l	E	0.111	2
96-12-8	1,2Dibromo3chloropropane		µg/l	U	0 133	2
106-93-4	1,2-Dibromoethane		µg/l	U	0 117	2
95-50-1	1,2-Dichlorobenzene		µg/l	U	0 141	2
107-06-2	1,2-Dichloroethane		µg/l	U	0.182	2
78-87-5	1,2-Dichloropropane		µg/l	U	0.119	2
108-67-8	1,3,5-Trimethylbenzene	23 9	µg/l		0.113	2
541-73-1	1,3-Dichlorobenzene		µg/l	U	0 189	2
142-28-9	1,3-Dichloropropane		µg/l	U	0.107	2
106-46-7	1,4-Dichlorobenzene		µg/l	U	0 15	2
590-20-7	2,2-Dichloropropane		µg/l	U	0.108	2
78-93-3	2-Butanone		µg/l	U	0 481	2
95-49-8	2-Chlorotoluene		µg/l	U	0 106	2
591-78-6	2-Hexanone		µg/l	U	0.163	2
106-43-4	4-Chlorotoluene		µg/l	U	0 1	2
99-87-6	4-Isopropyltoluene	5 77	µg/l		0 1	2
108-10-1	4-Methyl-2-pentanone		µg/l	U	0.128	2
67-64-1	Acetone		µg/l	U	0 612	2
71-43-2	Benzene	11.5	µg/l		0.139	2
108-86-1	Bromobenzene		µg/l	U	0 156	2
74-97-5	Bromochloromethane		µg/l	U	0 165	2
75-27-4	Bromodichloromethane		µg/l	U	0.135	2
75-25-2	Bromoform		µg/l	U	0 163	2
74-83-9	Bromomethane		µg/l	U	0 201	2
75-15-0	Carbon disulfide		µg/l	U	0.183	2
56-23-5	Carbon tetrachloride		µg/l	U	0.137	2
108-90-7	Chlorobenzene		µg/l	U	0.156	2
75-00-3	Chloroethane		µg/l	U	0.207	2

EPA Lab Code.KS00902
Kansas Certification E-10254

FORM I VOA - Equivalent

1A - Equivalent

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Client ID: CESAS
Matrix. W
Sample g/ml: 25
% Solids: not dec.
Instrument ID Instru
Analytical Method: 8260B
Prep Method: EPA 5030
Analytical Batch: 1565

Sample ID: 1054-MW-6-12-02
Project ID Laural Bay
Project Num 1734
Lab Sample ID: 173405
Date Collected: 12/18/02 Time: 10:15
Dilution Factor 1
Date Analyzed: 12/26/02 Time: 22:41
Date Received: 12/20/02 8:10.00 AM

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
67-66-3	Chloroform		µg/l	U	0.214	2
74-87-3	Chloromethane		µg/l	U	0.173	2
156-59-2	cis-1,2-Dichloroethene		µg/l	U	0.151	2
10061-01-5	cis-1,3-Dichloropropene		µg/l	U	0 1	2
124-48-1	Dibromochloromethane		µg/l	U	0 133	2
74-95-3	Dibromomethane		µg/l	U	0 1	2
75-71-8	Dichlorodifluoromethane		µg/l	U	0 5	2
100-41-4	Ethylbenzene	58 5	µg/l		0 1	2
87-68-3	Hexachlorobutadiene		µg/l	U	0 192	2
98-82-8	Isopropylbenzene	13 1	µg/l		0 1	2
75-09-2	Methylene chloride		µg/l	U	0.398	2
1634-04-4	Methyl-tert-butyl-ether		µg/l	U	0 1	2
m+p xylene	m-Xylene and p-Xylene	78 1	µg/l		0.216	2
91-20-3	Naphthalene	209	µg/l	E	0 139	2
104-51-8	n-Butylbenzene		µg/l	U	0.14	2
103-65-1	n-Propylbenzene	19 5	µg/l		0 1	2
95-47-6	o-Xylene	30 5	µg/l		0 102	2
135-98-8	sec-Butylbenzene		µg/l	U	0.133	2
100-42-5	Styrene		µg/l	U	0 1	2
98-06-6	tert-Butylbenzene		µg/l	U	0 17	2
127-18-4	Tetrachloroethene		µg/l	U	0 115	2
108-88-3	Toluene	16 9	µg/l		0 105	2
156-60-5	trans-1,2-Dichloroethene		µg/l	U	0.152	2
10061-02-6	trans-1,3-Dichloropropene		µg/l	U	0 1	2
79-01-6	Trichloroethene		µg/l	U	0 151	2
75-69-4	Trichlorofluoromethane		µg/l	U	0.111	2
108-05-4	Vinyl acetate		µg/l	U	0.5	2
75-01-4	Vinyl chloride		µg/l	U	0 239	2

1 - Equivalent

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Sample ID: 1054-MW-6-12-02

Client ID: CESAS
Project ID Laural Bay

Matrix: W
Project Num 1734

Sample g/ml. 970
Lab Sample ID: 173405

% Solids: not dec
Analytical Batch 1184 Prep Batch 9248

Instrument ID S5973A
Date Collected: 12/18/02 Time: 10:15

Extract Volume: 1 (mL)
Date Received: 12/20/02 8.10:00 AM

Dilution Factor: 2

Analytical Method: EPA 8270
Date Analyzed. 12/28/02 Time: 3:56

Prep Method: EPA 3510
Date Prepared: 12/24/02 Time: 17 00

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
120-82-1	1,2,4-Trichlorobenzene		µg/l	U	0 515	20.6
95-50-1	1,2-Dichlorobenzene		µg/l	U	0.474	20.6
541-73-1	1,3-Dichlorobenzene		µg/l	U	0 742	20 6
106-46-7	1,4-Dichlorobenzene		µg/l	U	0 412	20.6
95-95-4	2,4,5-Trichlorophenol		µg/l	U	1.77	20 6
88-06-2	2,4,6-Trichlorophenol		µg/l	U	1 38	20 6
120-83-2	2,4-Dichlorophenol		µg/l	U	0.742	20 6
105-67-9	2,4-Dimethylphenol		µg/l	U	0.536	20 6
51-28-5	2,4-Dinitrophenol		µg/l	U	3 28	20.6
121-14-2	2,4-Dinitrotoluene		µg/l	U	0.722	20 6
606-20-2	2,6-Dinitrotoluene		µg/l	U	0 495	20 6
91-58-7	2-Chloronaphthalene		µg/l	U	0 33	20 6
95-57-8	2-Chlorophenol		µg/l	U	0 247	20 6
534-52-1	2-Methyl-4,6-dinitrophenol		µg/l	U	2.06	20 6
91-57-6	2-Methylnaphthalene	111	µg/l		5 4	20 6
95-48-7	2-Methylphenol (o-Cresol)		µg/l	U	0 639	20 6
88-74-4	2-Nitroaniline		µg/l	U	0.887	20.6
88-75-5	2-Nitrophenol		µg/l	U	0.722	20 6
99-09-2	3-Nitroaniline		µg/l	U	0 701	20.6
101-55-3	4-Bromophenyl-phenylether		µg/l	U	0 742	20 6
59-50-7	4-Chloro-3-methylphenol		µg/l	U	0 515	20.6
106-47-8	4-Chloroaniline		µg/l	U	1.79	20.6
7005-72-3	4-Chlorophenyl-phenylether		µg/l	U	1.59	20 6
106-44-5	4-Methylphenol (p-Cresol)		µg/l	U	0.309	20.6
100-01-6	4-Nitroaniline		µg/l	U	7 28	20 6
100-02-7	4-Nitrophenol		µg/l	U	1 67	20.6
83-32-9	Acenaphthene	2 3	µg/l	J	0 371	20.6
208-96-8	Acenaphthylene		µg/l	U	0.247	20.6
120-12-7	Anthracene		µg/l	U	0 454	20 6
56-55-3	Benzo(a)anthracene		µg/l	U	0 701	20 6
50-32-8	Benzo(a)pyrene		µg/l	U	1 36	20.6
205-99-2	Benzo(b)fluoranthene		µg/l	U	3.42	20.6
191-24-2	Benzo(g,h,i)perylene		µg/l	U	5.03	20.6
207-08-9	Benzo(k)fluoranthene		µg/l	U	6.23	20 6

EPA Lab Code.KS00902

Kansas Certification:E-10254

FORM I SVOA - Equivalent

1 - Equivalent

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: Analytical Managment Laboratories
Sample ID: 1054-MW-6-12-02
Client ID: CESAS
Project ID Laural Bay
Matrix: W
Project Num 1734
Sample g/ml. 970
Lab Sample ID: 173405
% Solids: not dec.
Analytical Batch 1184
Prep Batch 9248
Instrument ID S5973A
Date Collected: 12/18/02
Time: 10:15
Extract Volume. 1 (mL)
Date Received: 12/20/02 8:10:00 AM
Dilution Factor: 2
Analytical Method: EPA 8270
Date Analyzed: 12/28/02
Time: 3:56
Prep Method EPA 3510
Date Prepared. 12/24/02
Time 17:00

CAS NO.	COMPOUND	RESULT	Units	Q	LLR	MQL
111-91-1	Bis(2-Chloroethoxy)methane		µg/l	U	0.433	20.6
111-44-4	Bis(2-Chloroethyl)ether		µg/l	U	0.536	20 6
108-60-1	bis(2-chloroisopropyl)ethe		µg/l	U	0 907	20 6
117-81-7	bis(2-ethylhexyl)phthalate		µg/l	U	1 92	20.6
85-68-7	Butylbenzylphthalate		µg/l	U	0.845	20 6
218-01-9	Chrysene		µg/l	U	0.825	20 6
53-70-3	Dibenz(a,h)anthracene		µg/l	U	4.66	20.6
132-64-9	Dibenzofuran	3 68	µg/l	J	0.351	20 6
84-66-2	Diethylphthalate		µg/l	U	0 845	20.6
131-11-3	Dimethylphthalate		µg/l	U	0 639	20 6
84-74-2	Di-n-butylphthalate		µg/l	U	0.454	20 6
117-84-0	Di-n-octylphthalate		µg/l	U	3.88	20 6
206-44-0	Fluoranthene		µg/l	U	0 454	20.6
86-73-7	Fluorene	4 1	µg/l	J	0.866	20 6
118-74-1	Hexachlorobenzene		µg/l	U	1.28	20 6
87-68-3	Hexachlorobutadiene		µg/l	U	1.96	20.6
77-47-4	Hexachlorocyclopentadiene		µg/l	U	0.66	20 6
67-72-1	Hexachloroethane		µg/l	U	0 639	20 6
193-39-5	Indeno(1,2,3-cd)pyrene		µg/l	U	6 68	20 6
78-59-1	Isophorone		µg/l	U	0 247	20 6
91-20-3	Naphthalene	105	µg/l		0 495	20 6
98-95-3	Nitrobenzene		µg/l	U	0.68	20.6
621-64-7	N-Nitroso-di-n-propylamine		µg/l	U	0 742	20 6
87-86-5	Pentachlorophenol		µg/l	U	1 86	20.6
85-01-8	Phenanthrene	3 95	µg/l	J	0 495	20.6
108-95-2	Phenol		µg/l	U	0 247	20.6
129-00-0	Pyrene		µg/l	U	0 825	20.6

EPA Lab Code KS00902

Kansas Certification:E-10254

FORM I SVOA - Equivalent

Certificate of Analytical Results 5500

Analytical Management Laboratories, Inc., Olathe, KS

1054 Gardenia MCAS

Sample Id: **1054-MW-7-1-04**	Matrix: **WATER**	% Moisture:
Lab Sample Id: **5500-007**	Date Collected: **Jan-06-04 16:11**	Date Received: **Jan-07-04 10:00**
Sample Depth.		

Analytical Method: 0003C - EDB by SW8011 Prep Method. EXT_SW8011

Date Analyzed: Jan-14-04 01:30 Analyst: LMG01 Date Prep: Jan-12-04 09:30 Tech. NRO01

Seq Number: 20274

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.0011	0.00039	ug/L	U	1

Analytical Method: 0005CJ - PAHs by SW8270C_SIM Prep Method: SW3520C

Date Analyzed: Jan-13-04 00.24 Analyst: CTP01 Date Prep: Jan-08-04 10·00 Tech: NRO01

Seq Number: 20257

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1-Methylnaphthalene	90-12-0	BRL	0.20	0.090	ug/L	U	1
2-Methylnaphthalene	91-57-6	BRL	0.20	0.090	ug/L	U	1
Acenaphthene	83-32-9	BRL	0.20	0 14	ug/L	U	1
Acenaphthylene	208-96-8	BRL	0.20	0.13	ug/L	U	1
Anthracene	120-12-7	BRL	0.20	0 20	ug/L	U	1
Benzo(a)anthracene	56-55-3	BRL	0.20	0.13	ug/L	U	1
Benzo(a)pyrene	50-32-8	BRL	0.20	0.19	ug/L	U	1
Benzo(b)fluoranthene	205-99-2	BRL	0.20	0.16	ug/L	U	1
Benzo(g,h,ı)perylene	191-24-2	BRL	0.20	0.15	ug/L	U	1
Benzo(k)fluoranthene	207-08-9	BRL	0.20	0.16	ug/L	U	1
Chrysene	218-01-9	BRL	0.20	0.10	ug/L	U	1
Dibenz(a,h)anthracene	53-70-3	BRL	0.20	0.20	ug/L	U	1
Fluoranthene	206-44-0	BRL	0.20	0.090	ug/L	U	1
Fluorene	86-73-7	BRL	0.20	0 13	ug/L	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	BRL	0.20	0.16	ug/L	U	1
Naphthalene	91-20-3	BRL	0.20	0.15	ug/L	U	1
Phenanthrene	85-01-8	BRL	0.20	0.14	ug/L	U	1
Pyrene	129-00-0	BRL	0.20	0.12	ug/L	U	1

Analytical Method: 0005CL - Low Level BTEX by SW8260B Prep Method SW5030B

Date Analyzed: Jan-12-04 22:24 Analyst: RPS01 Date Prep: Jan-12-04 14:02 Tech: RPS01

Seq Number: 20325

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	BRL	1.0	0 50	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.60	ug/L	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.0	0.50	ug/L	U	1
Naphthalene	91-20-3	BRL	5.0	1.0	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.76	ug/L	U	1
Xylenes, Total	1330-20-7	BRL	3.0	1 9	ug/L	U	1

Certificate of Analytical Results 5504

Analytical Management Laboratories, Inc., Olathe, KS

1054 Gardenia MCAS

Sample Id: **1054-MW-8-1-04** Matrix: **WATER** % Moisture:
Lab Sample Id: **5504-002** Date Collected **Jan-07-04 08:55** Date Received **Jan-08-04 10:22**
Sample Depth:

Analytical Method: 0003C - EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Jan-14-04 02:40 Analyst: LMG01 Date Prep: Jan-12-04 09:30 Tech: NRO01
Seq Number 20274

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0 0011	0 00039	ug/L	U	1

Analytical Method: 0005CJ - PAHs by SW8270C_SIM Prep Method: SW3520C

Date Analyzed: Jan-13-04 01.26 Analyst CTP01 Date Prep: Jan-08-04 10:00 Tech: NRO01
Seq Number: 20257

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1-Methylnaphthalene	90-12-0	2.3	1.0	0 45	ug/L	D	5
2-Methylnaphthalene	91-57-6	2.6	1 0	0.45	ug/L	D	5
Acenaphthene	83-32-9	BRL	0.20	0 14	ug/L	U	1
Acenaphthylene	208-96-8	BRL	0.20	0 13	ug/L	U	1
Anthracene	120-12-7	BRL	0.20	0.20	ug/L	U	1
Benzo(a)anthracene	56-55-3	BRL	0 20	0 13	ug/L	U	1
Benzo(a)pyrene	50-32-8	BRL	0.20	0 19	ug/L	U	1
Benzo(b)fluoranthene	205-99-2	BRL	0.20	0 16	ug/L	U	1
Benzo(g,h,i)perylene	191-24-2	BRL	0.20	0 15	ug/L	U	1
Benzo(k)fluoranthene	207-08-9	BRL	0 20	0 16	ug/L	U	1
Chrysene	218-01-9	BRL	0 20	0.10	ug/L	U	1
Dibenz(a,h)anthracene	53-70-3	BRL	0 20	0.20	ug/L	U	1
Fluoranthene	206-44-0	BRL	0 20	0 090	ug/L	U	1
Fluorene	86-73-7	0.24	0.20	0.13	ug/L		1
Indeno(1,2,3-c,d)pyrene	193-39-5	BRL	0.20	0 16	ug/L	U	1
Naphthalene	91-20-3	3.4	1.0	0 75	ug/L	D	5
Phenanthrene	85-01-8	BRL	0.20	0 14	ug/L	U	1
Pyrene	129-00-0	BRL	0 20	0.12	ug/L	U	1

Analytical Method: 0005CL - Low Level BTEX by SW8260B Prep Method SW5030B

Date Analyzed: Jan-12-04 23:18 Analyst. RPS01 Date Prep: Jan-12-04 14 02 Tech: RPS01
Seq Number: 20325

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	BRL	1 0	0.50	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1 0	0 60	ug/L	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.0	0.50	ug/L	U	1
Naphthalene	91-20-3	9.0	5 0	1 0	ug/L		1
Toluene	108-88-3	BRL	1 0	0.76	ug/L	U	1
Xylenes, Total	1330-20-7	BRL	3.0	1.9	ug/L	U	1

Certificate of Analytical Results 5504

Analytical Management Laboratories, Inc., Olathe, KS

1054 Gardenia MCAS

Sample Id: **1054-MW-9-1-04** Matrix: **WATER** % Moisture.
Lab Sample Id. **5504-003** Date Collected: **Jan-07-04 09:31** Date Received: **Jan-08-04 10:22**
Sample Depth:

Analytical Method: 0003C - EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Jan-14-04 03.04 Analyst LMG01 Date Prep: Jan-12-04 09:30 Tech: NRO01
Seq Number: 20274

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.0011	0.00039	ug/L	U	1

Analytical Method: 0005CJ - PAHs by SW8270C_SIM Prep Method: SW3520C

Date Analyzed: Jan-13-04 01:56 Analyst: CTP01 Date Prep: Jan-08-04 10 00 Tech: NRO01
Seq Number. 20257

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1-Methylnaphthalene	90-12-0	BRL	0 20	0 090	ug/L	U	1
2-Methylnaphthalene	91-57-6	BRL	0.20	0 090	ug/L	U	1
Acenaphthene	83-32-9	BRL	0.20	0 14	ug/L	U	1
Acenaphthylene	208-96-8	BRL	0.20	0.13	ug/L	U	1
Anthracene	120-12-7	BRL	0 20	0.20	ug/L	U	1
Benzo(a)anthracene	56-55-3	BRL	0 20	0 13	ug/L	U	1
Benzo(a)pyrene	50-32-8	BRL	0 20	0.19	ug/L	U	1
Benzo(b)fluoranthene	205-99-2	BRL	0 20	0.16	ug/L	U	1
Benzo(g,h,i)perylene	191-24-2	BRL	0 20	0 15	ug/L	U	1
Benzo(k)fluoranthene	207-08-9	BRL	0.20	0.16	ug/L	U	1
Chrysene	218-01-9	BRL	0 20	0.10	ug/L	U	1
Dibenz(a,h)anthracene	53-70-3	BRL	0.20	0.20	ug/L	U	1
Fluoranthene	206-44-0	BRL	0.20	0.090	ug/L	U	1
Fluorene	86-73-7	BRL	0.20	0.13	ug/L	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	BRL	0.20	0.16	ug/L	U	1
Naphthalene	91-20-3	BRL	0.20	0 15	ug/L	U	1
Phenanthrene	85-01-8	BRL	0.20	0 14	ug/L	U	1
Pyrene	129-00-0	BRL	0.20	0 12	ug/L	U	1

Analytical Method: 0005CL - Low Level BTEX by SW8260B Prep Method: SW5030B

Date Analyzed: Jan-13-04 00 37 Analyst: RPS01 Date Prep: Jan-12-04 14:02 Tech: RPS01
Seq Number 20325

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	BRL	1 0	0 50	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0 60	ug/L	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2 0	0.50	ug/L	U	1
Naphthalene	91-20-3	1.5	5.0	1.0	ug/L	J	1
Toluene	108-88-3	BRL	1 0	0.76	ug/L	U	1
Xylenes, Total	1330-20-7	BRL	3.0	1.9	ug/L	U	1

Certificate of Analytical Results 5500

Analytical Management Laboratories, Inc., Olathe, KS

1054 Gardenia MCAS

Sample Id: **1054-DMW-1-1-04** Matrix: **WATER** % Moisture:
Lab Sample Id: **5500-008** Date Collected: **Jan-06-04 16:41** Date Received: **Jan-07-04 10:00**
Sample Depth:

Analytical Method: 0003C - EDB by SW8011 Prep Method: EXT_SW8011

Date Analyzed: Jan-14-04 01:53 Analyst: LMG01 Date Prep: Jan-12-04 09:30 Tech: NRO01
Seq Number: 20274

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	BRL	0.0011	0.00038	ug/L	U	1

Analytical Method: 0005CJ - PAHs by SW8270C_SIM Prep Method: SW3520C

Date Analyzed: Jan-13-04 00:55 Analyst: CTP01 Date Prep: Jan-08-04 10:00 Tech: NRO01
Seq Number: 20257

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
1-Methylnaphthalene	90-12-0	BRL	0.20	0.090	ug/L	U	1
2-Methylnaphthalene	91-57-6	BRL	0.20	0.090	ug/L	U	1
Acenaphthene	83-32-9	BRL	0.20	0.14	ug/L	U	1
Acenaphthylene	208-96-8	BRL	0.20	0.13	ug/L	U	1
Anthracene	120-12-7	BRL	0.20	0.20	ug/L	U	1
Benzo(a)anthracene	56-55-3	BRL	0.20	0.13	ug/L	U	1
Benzo(a)pyrene	50-32-8	BRL	0.20	0.19	ug/L	U	1
Benzo(b)fluoranthene	205-99-2	BRL	0.20	0.16	ug/L	U	1
Benzo(g,h,i)perylene	191-24-2	BRL	0.20	0.15	ug/L	U	1
Benzo(k)fluoranthene	207-08-9	BRL	0.20	0.16	ug/L	U	1
Chrysene	218-01-9	BRL	0.20	0.10	ug/L	U	1
Dibenz(a,h)anthracene	53-70-3	BRL	0.20	0.20	ug/L	U	1
Fluoranthene	206-44-0	BRL	0.20	0.090	ug/L	U	1
Fluorene	86-73-7	BRL	0.20	0.13	ug/L	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	BRL	0.20	0.16	ug/L	U	1
Naphthalene	91-20-3	BRL	0.20	0.15	ug/L	U	1
Phenanthrene	85-01-8	BRL	0.20	0.14	ug/L	U	1
Pyrene	129-00-0	BRL	0.20	0.12	ug/L	U	1

Analytical Method: 0005CL - Low Level BTEX by SW8260B Prep Method: SW5030B

Date Analyzed: Jan-12-04 22:52 Analyst: RPS01 Date Prep: Jan-12-04 14:02 Tech: RPS01
Seq Number: 20325

Parameter	Cas Number	Result	Rep Limit	MDL	Units	Flag	Dil
Benzene	71-43-2	BRL	1.0	0.50	ug/L	U	1
Ethylbenzene	100-41-4	BRL	1.0	0.60	ug/L	U	1
Methyl tert-butyl ether	1634-04-4	BRL	2.0	0.50	ug/L	U	1
Naphthalene	91-20-3	BRL	5.0	1.0	ug/L	U	1
Toluene	108-88-3	BRL	1.0	0.76	ug/L	U	1
Xylenes, Total	1330-20-7	BRL	3.0	1.9	ug/L	U	1

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

		1054 Gardenia		
LOCATION	South Carolina	LBMW127	LBMW128	LBMW129
SAMPLE ID	State Screening	BEA-LB1054GW1270310	BEA-LB1054GW1280310	BEA-LB1054GW1290310
SAMPLE DATE	Values[1]	20100305	20100305	20100305
PAHS (UG/L)				
1-METHYLNAPHTHALENE	10	**39**	**11.1**	**55**
2-METHYLNAPHTHALENE	10	**47.5**	9.24	2.45
ACENAPHTHENE	NC	1.2	1.04 U	1.52
ACENAPHTHYLENE	NC	1.03 U	1.04 U	1.03 U
ANTHRACENE	NC	1.03 U	1.04 U	1.03 U
BENZO(A)ANTHRACENE	10	1.03 U	1.04 U	1.03 U
BENZO(A)PYRENE	10	1.03 U	1.04 U	1.03 U
BENZO(B)FLUORANTHENE	10	1.03 U	1.04 U	1.03 U
BENZO(G,H,I)PERYLENE	NC	1.03 U	1.04 U	1.03 U
BENZO(K)FLUORANTHENE	10	1.03 U	1.04 U	1.03 U
CHRYSENE	10	1.03 U	1.04 U	1.03 U
DIBENZO(A,H)ANTHRACENE	10	1.03 U	1.04 U	1.03 U
FLUORANTHENE	NC	1.03 U	1.04 U	1.03 U
FLUORENE	NC	1.97	0.624 J	2.56
INDENO(1,2,3-CD)PYRENE	NC	1.03 U	1.04 U	1.03 U
PHENANTHRENE	NC	1.86	0.551 J	2.21
PYRENE	NC	1.03 U	1.04 U	1.03 U
VOCS (UG/L)				
BENZENE	5	0.6 U	0.34 J	0.75 J
ETHYLBENZENE	700	4.78	7.4	26.5
METHYL TERT-BUTYL ETHER[2]	40	0.5 U	0.5 U	0.5 U
NAPHTHALENE	25	**31.5**	**26**	**75.4**
TOLUENE	1000	0.5 U	0.41 J	7.32
TOTAL XYLENES	10000	3.28	13.5	69.3

Appendix E
Historical Groundwater Analytical Results

CDM - AECOM
Multimedia Joint Venture

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	398 ACORN		
		LBMW104 BEALB-398-GW-MW104-1011 20111028 GW	LBMW105 BEALB-398-GW-MW105-1011 20111028 GW	LBMW106 BEALB-398-GW-MW106-1011 20111028 GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)				
1-METHYLNAPHTHALENE	10	0.55 U	0.5 U	**21**
2-METHYLNAPHTHALENE	10	0.55 U	0.5 U	**17**
ACENAPHTHENE	NC	0.55 U	0.5 U	**1.1**
ACENAPHTHYLENE	NC	2.7 U	2.6 U	2.6 U
ANTHRACENE	NC	0.55 U	0.5 U	0.5 U
BENZO(A)ANTHRACENE	10	0.55 U	0.5 U	0.5 U
BENZO(A)PYRENE	10	2.7 U	2.6 U	2.6 U
BENZO(B)FLUORANTHENE	10	0.55 U	0.5 U	0.5 U
BENZO(G,H,I)PERYLENE	NC	2.7 U	**0.12 J**	2.6 U
BENZO(K)FLUORANTHENE	10	0.55 U	0.5 U	0.5 U
CHRYSENE	10	0.55 U	0.5 U	0.5 U
DIBENZO(A,H)ANTHRACENE	10	2.7 U	2.6 U	2.6 U
FLUORANTHENE	NC	0.55 U	0.5 U	0.5 U
FLUORENE	NC	2.7 U	2.6 U	**1.3 J**
INDENO(1,2,3-CD)PYRENE	NC	0.55 U	0.5 U	0.5 U
NAPHTHALENE	25	2.7 U	2.6 U	**15**
PHENANTHRENE	NC	2.7 U	2.6 U	**0.47 J**
PYRENE	NC	0.55 U	0.5 U	0.5 U
VOLATILES (UG/L)				
BENZENE	5	0.15 UJ	0.15 UJ	**2.6 J**
ETHYLBENZENE	700	0.17 U	0.17 U	**1.8 J**
NAPHTHALENE	25	**0.38 J**	**0.68 J**	**27**
TOLUENE	1000	0.16 U	0.16 U	0.16 U
TOTAL XYLENES	10000	0.19 U	0.19 U	0.19 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	388 ACORN		
		LBMW110 BEALB-388-GW-MW-110-1011 20111028 GW	LBMW111 BEALB-388-GW-MW111-1016 20111031 GW	LBMW112 BEALB-388-GW-MW112-1011 20111031 GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)				
1-METHYLNAPHTHALENE	10	**36**	**0.095 J**	0.5 U
2-METHYLNAPHTHALENE	10	**44**	0.5 U	0.5 U
ACENAPHTHENE	NC	**1.6**	0.5 U	**0.85 J**
ACENAPHTHYLENE	NC	2.6 U	2.6 U	2.6 U
ANTHRACENE	NC	0.5 U	0.5 U	0.5 U
BENZO(A)ANTHRACENE	10	0.5 U	0.5 U	0.5 U
BENZO(A)PYRENE	10	2.6 U	2.6 U	2.6 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.6 U	**0.15 J**
BENZO(K)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U
CHRYSENE	10	0.5 U	0.5 U	0.5 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.6 U	2.6 U
FLUORANTHENE	NC	0.5 U	0.5 U	0.5 U
FLUORENE	NC	**2.9 J**	2.6 U	**0.31 J**
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.5 U	0.5 U
NAPHTHALENE	25	**26**	**0.2 J**	**3.9 J**
PHENANTHRENE	NC	**3 J**	2.6 U	2.6 U
PYRENE	NC	0.5 U	0.5 U	0.5 U
VOLATILES (UG/L)				
BENZENE	5	**0.28 J**	0.15 UJ	0.15 UJ
ETHYLBENZENE	700	**21**	0.17 U	0.17 U
NAPHTHALENE	25	**56**	**0.38 J**	**5.7**
TOLUENE	1000	0.16 U	0.16 U	0.16 U
TOTAL XYLENES	10000	**33**	0.19 U	0.19 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	391 ACORN			
		LBMW113 BEALB-391-GW-MW113-1011 20111031 GW	LBMW114 BEALB-391-GW-MW114-1011 20111031 GW	LBMW115 BEALB-391-GW-MW115-1011 20111031 GW	LBMW116 BEALB-391-GW-MW116-1011 20111031 GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)					
1-METHYLNAPHTHALENE	10	0.5 U	0.5 U	0.55 U	**0.42 J**
2-METHYLNAPHTHALENE	10	0.5 U	0.5 U	0.55 U	**0.2 J**
ACENAPHTHENE	NC	**1.7**	**3.9**	0.55 U	**8.1**
ACENAPHTHYLENE	NC	2.6 U	2.6 U	2.7 U	**0.21 J**
ANTHRACENE	NC	0.5 U	**0.16 J**	0.55 U	**0.42 J**
BENZO(A)ANTHRACENE	10	0.5 U	0.5 U	0.55 U	0.5 U
BENZO(A)PYRENE	10	2.6 U	2.6 U	**0.15 J**	2.6 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.5 U	0.55 U	0.5 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.6 U	2.7 U	**0.086 J**
BENZO(K)FLUORANTHENE	10	0.5 U	0.5 U	0.55 U	0.5 U
CHRYSENE	10	0.5 U	0.5 U	0.55 U	0.5 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.6 U	2.7 U	2.6 U
FLUORANTHENE	NC	**0.2 J**	**0.49 J**	0.55 U	**0.84 J**
FLUORENE	NC	**0.32 J**	**2.2 J**	2.7 U	**5.4**
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.5 U	0.55 U	0.5 U
NAPHTHALENE	25	2.6 U	**0.52 J**	**0.47 J**	**18**
PHENANTHRENE	NC	2.6 U	2.6 U	2.7 U	**1.4 J**
PYRENE	NC	**0.15 J**	**0.3 J**	0.55 U	**0.41 J**
VOLATILES (UG/L)					
BENZENE	5	0.15 UJ	0.15 UJ	0.15 UJ	0.15 UJ
ETHYLBENZENE	700	0.17 U	0.17 U	0.17 U	0.17 U
NAPHTHALENE	25	0.32 U	**0.97 J**	**1.2 J**	**33**
TOLUENE	1000	0.16 U	0.16 U	0.16 U	0.16 U
TOTAL XYLENES	10000	0.19 U	0.19 U	0.19 U	0.19 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	282 BIRCH			
		LBMW136 BEALB-282-GW-MW136-1111 20111115 GW	LBMW137 BEALB-282-GW-MW137-1111 20111116 GW	LBMW138 BEALB-282-GW-MW138-1111 20111117 GW	LBMW139 BEALB-282-GW-MW139-1111 20111115 GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)					
1-METHYLNAPHTHALENE	10	**49**	0.55 U	0.55 U	**0.44 J**
2-METHYLNAPHTHALENE	10	**67**	0.55 U	0.55 U	0.55 U
ACENAPHTHENE	NC	**2.6**	0.55 U	**0.29 J**	**0.27 J**
ACENAPHTHYLENE	NC	2.6 U	2.7 U	2.7 U	2.7 U
ANTHRACENE	NC	0.5 U	0.55 U	0.55 U	0.55 U
BENZO(A)ANTHRACENE	10	0.5 U	0.55 U	0.55 U	0.55 U
BENZO(A)PYRENE	10	2.6 U	2.7 U	2.7 U	2.7 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.55 U	0.55 U	0.55 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.7 U	2.7 U	2.7 U
BENZO(K)FLUORANTHENE	10	0.5 U	0.55 U	0.55 U	0.55 U
CHRYSENE	10	0.5 U	0.55 U	0.55 U	0.55 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.7 U	2.7 U	2.7 U
FLUORANTHENE	NC	0.5 U	0.55 U	0.55 U	0.55 U
FLUORENE	NC	**5.7**	2.7 U	**0.44 J**	**0.56 J**
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.55 U	0.55 U	0.55 U
NAPHTHALENE	25	**38**	2.7 U	2.7 U	**0.44 J**
PHENANTHRENE	NC	**3.6 J**	2.7 U	2.7 U	2.7 U
PYRENE	NC	0.5 U	0.55 U	0.55 U	0.55 U
VOLATILES (UG/L)					
BENZENE	5	**2.4 J**	2.5 U	2.5 U	2.5 U
ETHYLBENZENE	700	**17**	2.5 U	2.5 U	2.5 U
NAPHTHALENE	25	**120**	2.5 U	2.5 U	2.5 UJ
TOLUENE	1000	**0.33 J**	2.5 U	2.5 U	2.5 U
TOTAL XYLENES	10000	**14**	2.5 U	2.5 U	2.5 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	441 ELDERBERRY			
		LBMW117	LBMW118	LBMW119	
		BEALB-441-GW-MW117-1111	BEALB-441-GW-MW118-1111	BEALB-441-GW-MW119-1111	BEALB-441-GW-MW119-1111-D
		20111109	20111109	20111109	20111109
		GW	GW	GW	GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)					
1-METHYLNAPHTHALENE	10	**0.78 J**	**8.3 J**	**3**	**3.3**
2-METHYLNAPHTHALENE	10	**1.3**	**2.9 J**	**1.9**	**2**
ACENAPHTHENE	NC	0.5 U	0.5 UJ	**0.58 J**	**0.53 J**
ACENAPHTHYLENE	NC	2.6 U	2.6 UJ	2.6 U	2.6 U
ANTHRACENE	NC	0.5 U	0.5 UJ	0.5 U	0.5 U
BENZO(A)ANTHRACENE	10	0.5 U	0.5 UJ	0.5 U	0.5 U
BENZO(A)PYRENE	10	2.6 U	2.6 UJ	2.6 U	2.6 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.5 UJ	0.5 U	0.5 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.6 UJ	2.6 U	2.6 U
BENZO(K)FLUORANTHENE	10	0.5 U	0.5 UJ	0.5 U	0.5 U
CHRYSENE	10	0.5 U	0.5 UJ	0.5 U	0.5 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.6 UJ	2.6 U	2.6 U
FLUORANTHENE	NC	0.5 U	0.5 UJ	0.5 U	0.5 U
FLUORENE	NC	**0.28 J**	**0.97 J**	**1.1 J**	**1 J**
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.5 UJ	0.5 U	0.5 U
NAPHTHALENE	25	2.6 U	**5.2 J**	**3.8 J**	**4.2 J**
PHENANTHRENE	NC	2.6 U	**0.58 J**	2.6 U	2.6 U
PYRENE	NC	0.5 U	0.5 UJ	0.5 U	0.5 U
VOLATILES (UG/L)					
BENZENE	5	2.5 U	2.5 U	2.5 U	2.5 U
ETHYLBENZENE	700	2.5 U	**0.88 J**	**0.41 J**	**0.42 J**
NAPHTHALENE	25	2.5 U	**13**	**5**	**5.3**
TOLUENE	1000	2.5 U	2.5 U	2.5 U	2.5 U
TOTAL XYLENES	10000	2.5 U	2.5 U	2.5 U	2.5 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	437 ELDERBERRY		
		LBMW133 BEALB-437-GW-MW133-1111 20111114 GW	LBMW134 BEALB-437-GW-MW134-1111 20111115 GW	LBMW135 BEALB-437-GW-MW135-1111 20111115 GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)				
1-METHYLNAPHTHALENE	10	**45**	**3.3**	**0.27 J**
2-METHYLNAPHTHALENE	10	**72**	**4.1**	**0.84 J**
ACENAPHTHENE	NC	**1.9**	0.55 U	0.55 U
ACENAPHTHYLENE	NC	2.6 U	2.7 U	2.7 U
ANTHRACENE	NC	0.5 U	0.55 U	0.55 U
BENZO(A)ANTHRACENE	10	0.5 U	0.55 U	0.55 U
BENZO(A)PYRENE	10	2.6 U	2.7 U	2.7 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.55 U	0.55 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.7 U	2.7 U
BENZO(K)FLUORANTHENE	10	0.5 U	0.55 U	0.55 U
CHRYSENE	10	0.5 U	0.55 U	0.55 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.7 U	2.7 U
FLUORANTHENE	NC	0.5 U	0.55 U	0.55 U
FLUORENE	NC	**3.2 J**	**0.33 J**	2.7 U
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.55 U	0.55 U
NAPHTHALENE	25	**30**	**1.8 J**	**0.2 J**
PHENANTHRENE	NC	**3.2 J**	2.7 U	**0.24 J**
PYRENE	NC	0.5 U	0.55 U	0.55 U
VOLATILES (UG/L)				
BENZENE	5	**0.33 J**	2.5 U	2.5 U
ETHYLBENZENE	700	**5.2**	2.5 U	2.5 U
NAPHTHALENE	25	**63 J**	2.5 UJ	2.5 UJ
TOLUENE	1000	**0.17 J**	2.5 U	2.5 U
TOTAL XYLENES	10000	**13**	2.5 U	2.5 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	437 ELDERBERRY		
		LBMW140 BEALB-437-GW-MW140-1111 20111115 GW	LBMW141 BEALB-437-GW-MW141-1111 20111116 GW	LBMW142 BEALB-437-GW-MW142-1111 20111116 GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)				
1-METHYLNAPHTHALENE	10	0.55 U	0.55 U	**0.12 J**
2-METHYLNAPHTHALENE	10	0.55 U	0.55 U	0.55 U
ACENAPHTHENE	NC	0.55 U	0.55 U	0.55 U
ACENAPHTHYLENE	NC	2.7 U	2.7 U	2.7 U
ANTHRACENE	NC	0.55 U	0.55 U	0.55 U
BENZO(A)ANTHRACENE	10	0.55 U	0.55 U	0.55 U
BENZO(A)PYRENE	10	2.7 U	2.7 U	2.7 U
BENZO(B)FLUORANTHENE	10	0.55 U	0.55 U	0.55 U
BENZO(G,H,I)PERYLENE	NC	2.7 U	2.7 U	2.7 U
BENZO(K)FLUORANTHENE	10	0.55 U	0.55 U	0.55 U
CHRYSENE	10	0.55 U	0.55 U	0.55 U
DIBENZO(A,H)ANTHRACENE	10	2.7 U	2.7 U	2.7 U
FLUORANTHENE	NC	0.55 U	0.55 U	0.55 U
FLUORENE	NC	2.7 U	2.7 U	2.7 U
INDENO(1,2,3-CD)PYRENE	NC	0.55 U	0.55 U	0.55 U
NAPHTHALENE	25	2.7 U	2.7 U	2.7 U
PHENANTHRENE	NC	2.7 U	2.7 U	2.7 U
PYRENE	NC	0.55 U	0.55 U	0.55 U
VOLATILES (UG/L)				
BENZENE	5	2.5 U	2.5 U	2.5 U
ETHYLBENZENE	700	2.5 U	2.5 U	2.5 U
NAPHTHALENE	25	2.5 UJ	2.5 U	2.5 U
TOLUENE	1000	2.5 U	2.5 U	2.5 U
TOTAL XYLENES	10000	2.5 U	2.5 U	2.5 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	1054 GARDENIA			
		1054-DMW-1 BEALB-1054-GW-DMW-1-1111 20111108 GW	1054-MW-2 BEALB-1054-GW-MW-2-1111 20111108 GW	1054-MW-4 BEALB-1054-GW-MW4-1111 20111109 GW	1054-MW-7 BEALB-1054-GW-MW-7-1111 20111108 GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)					
1-METHYLNAPHTHALENE	10	0.5 U	0.5 U	0.5 U	0.55 U
2-METHYLNAPHTHALENE	10	0.5 U	0.5 U	0.5 U	0.55 U
ACENAPHTHENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
ACENAPHTHYLENE	NC	2.6 U	**0.33 J**	2.6 U	2.7 U
ANTHRACENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
BENZO(A)ANTHRACENE	10	0.5 U	0.5 U	0.5 U	0.55 U
BENZO(A)PYRENE	10	2.6 U	2.6 U	2.6 U	2.7 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U	0.55 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.6 U	2.6 U	2.7 U
BENZO(K)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U	0.55 U
CHRYSENE	10	0.5 U	0.5 U	0.5 U	0.55 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.6 U	2.6 U	2.7 U
FLUORANTHENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
FLUORENE	NC	2.6 U	2.6 U	2.6 U	2.7 U
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
NAPHTHALENE	25	2.6 U	**0.4 J**	2.6 U	2.7 U
PHENANTHRENE	NC	2.6 U	2.6 U	2.6 U	2.7 U
PYRENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
VOLATILES (UG/L)					
BENZENE	5	2.5 U	2.5 U	2.5 U	2.5 U
ETHYLBENZENE	700	2.5 U	2.5 U	2.5 U	2.5 U
NAPHTHALENE	25	2.5 U	**1.5 J**	2.5 U	2.5 U
TOLUENE	1000	2.5 U	2.5 U	2.5 U	**0.17 J**
TOTAL XYLENES	10000	2.5 U	2.5 U	2.5 U	2.5 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	1054 GARDENIA			
		LBMW127	LBMW128		LBMW129
		BEALB-1054-MW127-1111	BEALB-1054-GW-MW128-1111	BEALB-1054-GW-MW128-1111-D	BEALB-1054-GW-MW129
		20111107	20111107	20111107	20111108
		GW	GW	GW	GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)					
1-METHYLNAPHTHALENE	10	**23**	**26**	**25**	**50**
2-METHYLNAPHTHALENE	10	**15**	**19**	**19**	**62**
ACENAPHTHENE	NC	**1.5**	**1.2**	**1.3**	**2.2**
ACENAPHTHYLENE	NC	2.6 U	2.6 U	2.6 U	2.6 U
ANTHRACENE	NC	0.5 U	0.5 U	0.5 U	0.5 U
BENZO(A)ANTHRACENE	10	0.5 U	0.5 U	0.5 U	0.5 U
BENZO(A)PYRENE	10	2.6 U	2.6 U	2.6 U	2.6 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U	0.5 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.6 U	**0.29 J**	**0.14 J**
BENZO(K)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U	0.5 U
CHRYSENE	10	0.5 U	0.5 U	0.5 U	0.5 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.6 U	2.6 U	2.6 U
FLUORANTHENE	NC	0.5 U	0.5 U	0.5 U	**0.14 J**
FLUORENE	NC	**2.4 J**	**2.3 J**	**2.3 J**	**3.9 J**
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.5 U	**0.15 J**	0.5 U
NAPHTHALENE	25	**7.7**	**14**	**14**	**30**
PHENANTHRENE	NC	**2.4 J**	**1.2 J**	**1.3 J**	**3.4 J**
PYRENE	NC	0.5 U	0.5 U	0.5 U	**0.1 J**
VOLATILES (UG/L)					
BENZENE	5	2.5 U	2.5 U	2.5 U	**0.28 J**
ETHYLBENZENE	700	**3.8 J**	**5.8**	**4.9 J**	**17**
NAPHTHALENE	25	**18**	**43**	**36**	**77**
TOLUENE	1000	2.5 U	2.5 U	2.5 U	**1 J**
TOTAL XYLENES	10000	**1.6 J**	**4.1 J**	**3.2 J**	**26**

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	1472 CARDINAL			
		LBMW130		LBMW131	LBMW132
		BEALB-1472-GW-MW130-1111	BEALB-1472-GW-MW130-1111-D	BEALB-1472-GW-MW131-1111	BEALB-1472-GW-MW132-1111
		20111110	20111110	20111110	20111115
		GW	GW	GW	GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)					
1-METHYLNAPHTHALENE	10	**20**	**21**	0.5 U	0.55 U
2-METHYLNAPHTHALENE	10	**29**	**30**	0.5 U	0.55 U
ACENAPHTHENE	NC	**0.92 J**	**0.97 J**	0.5 U	0.55 U
ACENAPHTHYLENE	NC	2.6 U	2.5 U	2.6 U	2.7 U
ANTHRACENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
BENZO(A)ANTHRACENE	10	0.5 U	0.5 U	0.5 U	0.55 U
BENZO(A)PYRENE	10	2.6 U	2.5 U	2.6 U	2.7 U
BENZO(B)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U	0.55 U
BENZO(G,H,I)PERYLENE	NC	2.6 U	2.5 U	2.6 U	2.7 U
BENZO(K)FLUORANTHENE	10	0.5 U	0.5 U	0.5 U	0.55 U
CHRYSENE	10	0.5 U	0.5 U	0.5 U	0.55 U
DIBENZO(A,H)ANTHRACENE	10	2.6 U	2.5 U	2.6 U	2.7 U
FLUORANTHENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
FLUORENE	NC	**1.7 J**	**1.8 J**	2.6 U	2.7 U
INDENO(1,2,3-CD)PYRENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
NAPHTHALENE	25	**24**	**25**	2.6 U	2.7 U
PHENANTHRENE	NC	**0.89 J**	**1.1 J**	2.6 U	2.7 U
PYRENE	NC	0.5 U	0.5 U	0.5 U	0.55 U
VOLATILES (UG/L)					
BENZENE	5	**2.8 J**	**3.3 J**	2.5 U	2.5 U
ETHYLBENZENE	700	**14**	**15**	2.5 U	2.5 U
NAPHTHALENE	25	**56 J**	**83 J**	2.5 U	2.5 UJ
TOLUENE	1000	**0.36 J**	**0.32 J**	**0.18 J**	2.5 U
TOTAL XYLENES	10000	**15**	**15**	2.5 U	2.5 U

TABLE 4-1

SUMMARY OF ANALYTICAL RESULTS FOR GROUNDWATER
REPORT OF FINDINGS - LAUREL BAY MILITARY HOUSING
MCAS BEAUFORT, SOUTH CAROLINA

Parameter	Criteria [1]	1472 CARDINAL			
		LBMW143		LBMW144	LBMW145
		BEALB-1472-GW-MW143-1111	BEALB-1472-GW-MW143-1111-D	BEALB-1472-GW-MW144-1111	BEALB-1472-GW-MW145-1111
		20111114	20111114	20111114	20111114
		GW	GW	GW	GW
POLYNUCLEAR AROMATIC HYDROCARBONS (UG/L)					
1-METHYLNAPHTHALENE	10	0.55 U	0.55 U	0.5 U	0.55 U
2-METHYLNAPHTHALENE	10	0.55 U	0.55 U	0.5 U	0.55 U
ACENAPHTHENE	NC	0.55 U	0.55 U	**0.3 J**	0.55 U
ACENAPHTHYLENE	NC	2.7 UJ	2.7 UJ	2.6 U	2.7 U
ANTHRACENE	NC	0.55 U	0.55 U	0.5 U	0.55 U
BENZO(A)ANTHRACENE	10	0.55 U	0.55 U	0.5 U	0.55 U
BENZO(A)PYRENE	10	2.7 U	2.7 U	2.6 U	2.7 U
BENZO(B)FLUORANTHENE	10	0.55 U	0.55 U	0.5 U	0.55 U
BENZO(G,H,I)PERYLENE	NC	2.7 U	2.7 U	2.6 U	2.7 U
BENZO(K)FLUORANTHENE	10	0.55 U	0.55 U	0.5 U	0.55 U
CHRYSENE	10	0.55 U	0.55 U	0.5 U	0.55 U
DIBENZO(A,H)ANTHRACENE	10	2.7 U	2.7 U	2.6 U	2.7 U
FLUORANTHENE	NC	0.55 U	0.55 U	0.5 U	0.55 U
FLUORENE	NC	2.7 U	2.7 U	**0.7 J**	2.7 U
INDENO(1,2,3-CD)PYRENE	NC	0.55 U	0.55 U	0.5 U	0.55 U
NAPHTHALENE	25	2.7 U	2.7 U	2.6 U	2.7 U
PHENANTHRENE	NC	2.7 U	2.7 U	2.6 U	2.7 U
PYRENE	NC	0.55 U	0.55 U	0.5 U	0.55 U
VOLATILES (UG/L)					
BENZENE	5	2.5 U	2.5 U	2.5 U	2.5 U
ETHYLBENZENE	700	2.5 U	2.5 U	2.5 U	2.5 U
NAPHTHALENE	25	2.5 UJ	2.5 UJ	2.5 UJ	**13 J**
TOLUENE	1000	2.5 U	2.5 U	2.5 U	2.5 U
TOTAL XYLENES	10000	2.5 U	2.5 U	2.5 U	2.5 U

NOTES:
(1)South Carolina State Screening Value are Risk Based Screening Levels (RBSLs) for groundwater (SCDHEC, 2011).
All positive results have been bolded.
Shaded values indicate exceedance of criteria.
NC = No Criteria Available.

DATA QUALIFIERS:
U = Indicates the parameter was not detected.
UJ = Indicates the parameter was not detected; however, the detection limit is estimated.
J = Indicates the result is estimated.

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										
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	**0.050 J**	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			1/23/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB119MW02	12/11/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	**0.31 J**	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			7/28/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/13/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			1/23/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB119MW03	12/11/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			7/28/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			6/13/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			1/23/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB119MW04	12/14/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			7/28/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/13/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			1/23/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
128 Banyan Drive	156 Banyan Drive	BEALB128MW01	12/14/2015	N	**0.68 J**	**6.5**	**29**	**0.42 J**	**21**	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			7/28/2016	N	**1.7**	**18**	**51**	**0.87 J**	**19**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/14/2017	N	**1.4**	**19**	**55**	**0.79 J**	**33**	**0.048 J**	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			1/22/2018	N	NA	NA	**64**	NA	NA	NA	NA	NA	NA	NA
			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
			3/19/2019	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
		BEALB130MW02	12/19/2018	N	< 0.80 U	**10**	**130**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			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
		BEALB130MW03	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
			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
		BEALB130MW04	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
		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

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										
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
			3/19/2019	FD	NA	NA	**35**	NA	NA	NA	NA	NA	NA	NA
		BEALB135MW02	12/14/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/1/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/13/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			1/23/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB135MW03	12/14/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 UJ
			8/2/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/13/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**0.096 J**	< 0.10 U	< 0.10 U	**0.042 J**	< 0.10 UJ
			1/22/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB135MW04	12/14/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/1/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/13/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	**0.044 J**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 UJ
			1/22/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/18/2019	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
			3/18/2019	N	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA
		BEALB148MW03	12/16/2015	N	< 0.45 U	**0.56 J**	**6.6 J**	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/2/2016	N	< 0.80 U	**0.93 J**	**16**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/15/2017	N	< 0.80 U	**0.84 J**	**5.4**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			1/19/2018	N	< 0.80 U	**0.43 J**	**2.7**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/18/2019	N	NA	NA	**1.4**	NA	NA	NA	NA	NA	NA	NA
		BEALB148MW04	12/15/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			8/2/2016	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/15/2017	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			1/19/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/18/2019	N	NA	NA	**0.50 J**	NA	NA	NA	NA	NA	NA	NA

Appendix E-3
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Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

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				SCDHEC RBSLs	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
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

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

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				SCDHEC RBSLs	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	< 0.11 U	< 0.11 U	< 0.11 U
			9/11/2014	N	< 0.40 U	**0.76 J**	**14**	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			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	< 0.10 U	< 0.10 U	< 0.10 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/28/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB282MW138	7/30/2013	N	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			9/12/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	**0.14 J**	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB282MW139	7/30/2013	N	< 0.25 U	< 0.25 U	**0.41 J**	< 0.25 U	< 0.25 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			9/12/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
285 Birch Drive	174 Birch Drive	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

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

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				SCDHEC RBSLs	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
			3/18/2019	FD	NA	NA	**92**	NA	NA	NA	NA	NA	NA	NA
		BEALB325MW09	4/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			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
		BEALB325MW10	4/8/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
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
			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
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

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	Well ID	Sample Date	Sample Type	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
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	< 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
		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

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										
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	< 0.25 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U	< 0.12 U
			9/10/2014	N	< 0.40 U	< 0.20 U	**0.89 J**	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/14/2015	N	< 0.45 U	NA	**0.63 BJ**	NA	NA	NA	NA	NA	NA	NA
		BEALB391MW116	7/29/2013	N	< 0.25 U	< 0.25 U	**3.7**	< 0.25 U	< 0.25 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			9/10/2014	N	< 0.40 U	< 0.20 U	**0.57 J**	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/14/2015	N	< 0.45 U	NA	**19 BJ**	NA	NA	NA	NA	NA	NA	NA
398 Acorn Drive	203 Acorn Drive	BEALB398MW104	7/30/2013	N	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			9/10/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
		BEALB398MW105	7/30/2013	N	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			9/10/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	**0.18 J**	NA	NA	NA	NA	NA	NA	NA
		BEALB398MW106	7/30/2013	N	**0.71**	**0.18 J**	**0.93**	< 0.25 U	< 0.25 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U	< 0.11 U
			9/10/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
430 Elderberry Drive	323 Elderberry Drive	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

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										
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
			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
		BEALB437MW134	7/31/2013	N	< 0.50 U	< 0.50 U	**6.9**	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/11/2014	N	< 0.40 U	< 0.20 U	**1.1**	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	**0.86 J**	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	**0.88 J**	NA	NA	NA	NA	NA	NA	NA
			6/15/2017	N	NA	NA	**1.7**	NA	NA	NA	NA	NA	NA	NA
			1/25/2018	N	NA	NA	**1.0**	NA	NA	NA	NA	NA	NA	NA
			3/11/2019	N	NA	NA	**0.72 J**	NA	NA	NA	NA	NA	NA	NA
		BEALB437MW135	7/31/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			6/15/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/24/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/11/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB437MW140	7/31/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			6/15/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/24/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/12/2019	N	NA	NA	**0.66 J**	NA	NA	NA	NA	NA	NA	NA
			3/12/2019	FD	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB437MW141	7/31/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			6/15/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/24/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB437MW142	7/31/2013	N	< 0.50 U	< 0.50 U	**0.33 J**	< 0.50 U	**0.18 J**	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/15/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	**2.4**	NA	NA	NA	NA	NA	NA	NA
			6/15/2017	N	NA	NA	**1.1**	NA	NA	NA	NA	NA	NA	NA
			1/24/2018	N	NA	NA	**0.67 J**	NA	NA	NA	NA	NA	NA	NA
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
440 Elderberry Drive	405 Elderberry Drive	BEALB440MW01	7/22/2016	N	**1.1**	**16**	**88**	< 0.80 U	**11**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
			7/22/2016	FD	**1**	**15**	**90**	< 0.80 U	**9.7**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			6/15/2017	N	**0.56 J**	**8.5**	**64**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			1/24/2018	N	< 0.80 U	**3.4**	**31**	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB440MW02	12/18/2018	N	< 0.80 U	< 0.80 U	**1.6**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB440MW03	12/18/2018	N	< 0.80 U	< 0.80 U	**3.2**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB440MW04	12/18/2018	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB440MW05	12/18/2018	N	< 0.80 U	< 0.80 U	**0.53 J**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	NA	NA	**2.1**	NA	NA	NA	NA	NA	NA	NA
441 Elderberry Drive	392 Elderberry Drive	BEALB441MW117	7/31/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 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

Appendix E-3
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Laurel Bay Military Housing Area
MCAS Beaufort, South Carolina

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				SCDHEC RBSLs	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 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		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 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
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 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
			3/13/2019	FD	< 0.80 U	**4.5**	**30**	< 0.80 U	**1.4**	< 0.10 UJ	< 0.10 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		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 U	< 0.10 UJ	< 0.10 UJ	< 0.10 U
		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
			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
		BEALB473MW05	12/18/2018	N	< 0.80 U	< 0.80 U	**0.51 J**	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			3/12/2019	N	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
518 Laurel Bay Boulevard	403 Laurel Bay Boulevard	BEALB518MW01	7/26/2016	N	< 0.80 U	**1.5**	**20**	< 0.80 U	**2.6**	< 0.10 U	**0.16 J**	**0.15 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

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										
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 U	< 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 U	< 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 U	< 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
		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
775 Althea Street	244 Althea Street	BEALB775MW01	3/23/2017	N	< 0.80	**6.2**	**23**	< 0.80	< 0.80	< 0.10	< 0.10	< 0.10	< 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

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										
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
			3/4/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1054MW2	8/1/2013	N	< 0.50 U	< 0.50 U	**3.7**	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			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
			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
		BEALB1054MW4	8/1/2013	N	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.40 U	< 0.80 U
			9/16/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/28/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			6/19/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/25/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/4/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1054MW7	8/1/2013	N	< 0.50 U	< 0.50 U	**3.6**	< 0.50 U	< 0.50 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/11/2014	N	< 0.40 U	< 0.20 U	< 0.20 U	**1.5**	< 0.40 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/16/2015	N	< 0.45 U	NA	< 0.96 U	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			6/19/2017	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			1/25/2018	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
			3/4/2019	N	NA	NA	< 0.80 U	NA	NA	NA	NA	NA	NA	NA
		BEALB1054MW127	8/1/2013	N	< 0.50 U	**2.5**	**25**	< 0.50 U	**0.62**	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ
			9/11/2014	N	< 0.40 U	**2.3**	**15**	< 0.20 U	**1.1**	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/16/2015	N	< 0.45 U	NA	**17**	NA	NA	NA	NA	NA	NA	NA
			7/28/2016	N	NA	NA	**8.3**	NA	NA	NA	NA	NA	NA	NA
			6/19/2017	N	NA	NA	**7.2**	NA	NA	NA	NA	NA	NA	NA
			1/25/2018	N	NA	NA	**8.7**	NA	NA	NA	NA	NA	NA	NA
			3/4/2019	N	NA	NA	**5.4**	NA	NA	NA	NA	NA	NA	NA
		BEALB1054MW128	8/1/2013	N	< 0.50 U	**4.4**	**42**	**0.20 J**	**6.3**	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ	< 0.21 UJ
			9/11/2014	N	< 0.40 U	**2.4**	**18**	< 0.20 U	**2.5**	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			9/16/2015	N	< 0.45 U	NA	**23 BJ**	NA	NA	NA	NA	NA	NA	NA
			7/27/2016	N	NA	NA	**4.9**	NA	NA	NA	NA	NA	NA	NA
			6/19/2017	N	NA	NA	**13**	NA	NA	NA	NA	NA	NA	NA
			1/25/2018	N	NA	NA	**7.0**	NA	NA	NA	NA	NA	NA	NA
			3/4/2019	N	NA	NA	**11**	NA	NA	NA	NA	NA	NA	NA
		BEALB1054MW129	8/1/2013	N	**0.32 J**	**18**	**73**	**2.1**	**35**	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U	< 0.21 U
			9/11/2014	N	**0.19 J**	**13**	**54**	**1.3**	**25**	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
			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
			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

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

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				SCDHEC RBSLs	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 U	< 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
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										
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
		BEALB1168MW04	12/17/2015	N	< 0.45 U	< 0.51 U	< 0.96 U	< 0.48 U	< 0.57 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.040 U	< 0.080 U
1186 Bobwhite Drive	Empty Lot	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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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										
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
			2/28/2019	N	< 0.80 U	< 0.80 U	**0.57 J**	< 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
		BEALB1362MW05	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
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
			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
		BEALB1370MW05	12/20/2018	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
			2/26/2019	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
		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	**7**	**48**	< 0.80 U	**1.4**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1385MW03	12/19/2018	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
			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
		BEALB1385MW04	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
			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
		BEALB1385MW05	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
			2/27/2019	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
		BEALB1385MW06	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
			2/27/2019	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
		BEALB1385MW07	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
			2/28/2019	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
		BEALB1385MW08	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
			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
		BEALB1385MW09	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 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	< 0.10 U
		BEALB1393MW09	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
		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	< 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	< 0.80 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	< 0.80 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	< 0.10 U
1418 Albatross Drive	Empty Lot	BEALB1418MW01	12/7/2017	N	< 0.80 U	**1.6**	**11**	< 0.80 U	**1.1**	**0.19 J**	< 0.10 UJ	< 0.10 UJ	**0.11 J**	< 0.10 UJ

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										
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
			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
		BEALB1429MW05	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
			2/25/2019	N	< 0.80 U	< 0.80 U	**1.5**	< 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
		BEALB1431MW04	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
			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
		BEALB1431MW05	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	**0.83 J**	< 0.80 U	< 0.80 U	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ	< 0.10 UJ
1434 Dove Lane	Empty Lot	BEALB1434MW01	12/7/2017	N	< 0.80 U	**0.50 J**	**6.5**	< 0.80 U	< 0.80 U	**0.18 J**	< 0.10 UJ	< 0.10 UJ	**0.092 J**	< 0.10 UJ
1435 Dove Lane	500 Dove Lane	BEALB1435MW01	3/23/2017	N	**7.4**	**65**	**240**	**13**	**300**	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
			1/29/2018	N	**5.2**	**42**	**180 J**	**2.9**	**77**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
			1/29/2018	FD	**4.8**	**40**	**150 J**	**2.5**	**64**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
			2/25/2019	N	**4.2**	**35**	**97**	**1.1**	**35**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
			2/25/2019	FD	**4.4**	**37**	**91**	**1.1**	**35**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW02	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	**0.65 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	< 0.80 U	< 0.80 U	< 0.80 U	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW04	12/13/2018	N	**3.1**	**17**	**73**	**2.2**	**74**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
			12/13/2018	FD	**3.1**	**17**	**74**	**2.1**	**72**	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
			2/25/2019	N	**2.8**	**16**	**73**	**2**	**77**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW05	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
		BEALB1435MW06	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 UJ	< 0.80 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
		BEALB1435MW07	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
1436 Dove Lane	Empty Lot	BEALB1436MW01	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
1440 Dove Lane	Empty Lot	BEALB1440MW01	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
1442 Dove Lane	Empty Lot	BEALB1442MW01	12/7/2017	N	< 0.80 U	**0.79 J**	**6.2**	**57**	**0.70 J**	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U	< 0.10 U
1444 Dove Lane	Empty Lot	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
USEPA VISL Calculator Input

Site-specific VISL Results
Resident Equation Inputs

*** Inputted values different from Resident defaults are highlighted.**
Output generated 25JUN2018:09:05:57

Variable	Resident Air Default Value	Value
AF_{gw} (Attenuation Factor Groundwater) unitless	0.001	0.001
AF_{ss} (Attenuation Factor Sub-Slab) unitless	0.03	0.03
ED_{res} (exposure duration) years	26	26
ED_{0-2} (mutagenic exposure duration first phase) years	2	2
ED_{2-6} (mutagenic exposure duration second phase) years	4	4
ED_{6-16} (mutagenic exposure duration third phase) years	10	10
ED_{16-26} (mutagenic exposure duration fourth phase) years	10	10
EF_{res} (exposure frequency) days/year	350	350
EF_{0-2} (mutagenic exposure frequency first phase) days/year	350	350
EF_{2-6} (mutagenic exposure frequency second phase) days/year	350	350
EF_{6-16} (mutagenic exposure frequency third phase) days/year	350	350
EF_{16-26} (mutagenic exposure frequency fourth phase) days/year	350	350
ET_{res} (exposure time) hours/day	24	24
ET_{0-2} (mutagenic exposure time first phase) hours/day	24	24
ET_{2-6} (mutagenic exposure time second phase) hours/day	24	24
ET_{6-16} (mutagenic exposure time third phase) hours/day	24	24
ET_{16-26} (mutagenic exposure time fourth phase) hours/day	24	24
THQ (target hazard quotient) unitless	0.1	0.1
LT (lifetime) years	70	70
TR (target risk) unitless	0.000001	0.000001

Resident Vapor Intrusion Screening Levels (VISL)

User's Guide Variable References

Output generated 25JUN2018:09:17:43

Chemical	CAS Number	Does the chemical meet the definition for volatility? (HLC>1E-5 or VP>1)	Does the chemical have inhalation toxicity data? (IUR and/or RfC)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Soil Source? (C_{vp} > $C_{i,a}$,Target?)	Is Chemical Sufficiently Volatile and Toxic to Pose Inhalation Risk Via Vapor Intrusion from Groundwater Source? (C_{hc} > $C_{i,a}$,Target?)	Target Indoor Air Concentration (TCR=1E-06 or THQ=0.1) MIN($C_{ia,c}$,$C_{ia,nc}$) (µg/m^3)	Toxicity Basis	Target Sub-Slab and Exterior Soil Gas Concentration (TCR=1E-06 or THQ=0.1) C_{sg},Target (µg/m^3)	Target Groundwater Concentration (TCR=1E-06 or THQ=0.1) C_{gw},Target (µg/L)
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	0.0826	CA	2.75	4.59

Resident Vapor Intrusion Screening Levels (VISL)

User's Guide Variable References

Output generated 25JUN2018:09:17:43

Chemical	**CAS Number**	**Is** Target Groundwater Concentration < MCL? (C_{gw} < MCL?)	Pure Phase Vapor Concentration C_{vp} (25 °C) (µg/m^3)	Maximum Groundwater Vapor Concentration C_{hc} (µg/m^3)	Temperature for Maximum Groundwater Vapor Concentration (°C)	**Lower Explosive Limit LEL (% by volume)**	**LEL Ref**	**I**nhalation Unit Risk (ug/m^3)$^{-1}$	**IUR Ref**	Chronic RfC (mg/m^3)	**Chronic RfC Ref**	**Mutagenic Indicator**	Carcinogenic VISL TCR=1E-06 $C_{ia,c}$ (µg/m^3)	Noncarcinogenic VISL THQ=0.1 $C_{ia,nc}$ (µg/m^3)
Naphthalene	91-20-3	--	586000	558000	25	0.9	CRC89	0.000034	C	0.003	I		0.0826	0.313

Resident Vapor Intrusion Risk

Output generated 25JUN2018:09:27:24 **Laurel Bay Military Housing Address: 1054 Gardenia Drive - Groundwater Results Collected June 19, 2017**

Chemical	**CAS Number**	Site Groundwater Concentration C_{gw} (µg/L)	Site Indoor Air Concentration $C_{i,a}$ (µg/m^3)	**VI Carcinogenic Risk CR**	**VI Hazard HQ**	Inhalation Unit Risk (ug/m^3)$^{-1}$	**IUR Ref**	Chronic RfC (mg/m^3)	**RfC Ref**	Temperature (°C) for Groundwater Vapor Concentration	**Mutagen?**
Naphthalene	91-20-3	**31**	0.558	6.75E-06	0.178	0.000034	C	0.003	IRIS	25	
**Sum*			*Cumulative Risk/Hazard*	*7E-06*	*0.2*						

Bold	Indicates exceedance of conservative project screening levels, prompting evaluation of cumulative risk/total HI.
	Less than USEPA's target risk/hazard level of 10-6 to 10-4 or less than/equal to USEPA's target HI of 1 (per target organ)
	Within USEPA's target risk range of 10-6 to 10-4
	Greater than USEPA's target risk/hazard level of 10-6 to 10-4 or HI of 1 (per target organ)

Appendix G
Regulatory Correspondence

D H E C
PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

10 February 2002

United States Marine Corps Air Station
Commanding Officer
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

Re: MCAS - Heating Oil Tank(s) – 1054 Gardenia Drive
Site ID # 01794
Tank Closure report received 14 January 2002
Beaufort County

Dear Ms. Howard:

The Department has completed technical review of the referenced document. Interpretation of the analytical data provided in the referenced report indicates that chemicals of concern are above established Risk-Based Screening Levels in soils and additional investigative and/or remedial actions are warranted.

Please respond to the undersigned by 3 May 2002 with an investigation proposal to conduct assessment activities in accordance with the "General Components of Groundwater Assessments and Corrective Actions" guidance document (enclosed), which describes the general progression of a project. The assessment should include the following:

- Delineation of the horizontal and vertical extent of the chemicals of concern (CoC) in the soil and groundwater;
- Identification and evaluation of all the exposure pathways and potential receptors;
- Characterization of the nature of the CoC present;
- Definition of the site geology and hydrogeology;
- Fate and transport analysis to predict actual or potential impact of CoC on identified potential receptors.

Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-3795 (fax) or bishopma@columb32.dhec.state.sc.us.

Sincerely,

Michael A. Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

Enc: General Components of Groundwater Assessments and Corrective Actions guidance document

cc: Low Country District EQC (n/enc)
Matt Tetrault – BLWM (n/enc)
Technical File (n/enc)

D H E C
PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

8 September 2002

United States Marine Corps Air Station
Commanding Officer
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

Re: MCAS – 1054 Gardenia Drive
Site ID # 01794
Tier I Assessment Report received 2 September 2002
Beaufort County

Dear Ms. Howard:

The Department has completed technical review of the referenced document. Interpretation of the analytical data provided in the referenced report indicates that chemicals of concern are above established Risk-Based Screening Levels and additional investigative and/or remedial actions are warranted.

Review of the submitted data indicates that the current monitoring well network may not be representative of worst-case groundwater contamination. MCAS should install additional monitoring well in the vicinity of soil borings SB-4 and SB-6; a monitoring well installation permit is enclosed. Once the additional wells have been installed, MCAS should complete a comprehensive groundwater sampling event. Sampling methods and detection limits shall be in accordance with the *South Carolina Risk- Based Corrective Action for Petroleum Releases* guidance document dated May 2001.

Please submit the requested groundwater monitoring report no later than 31 December 2002. Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.state.sc.us.

Sincerely,

Michael A. Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

Enc: MWA # 1507

cc: Low Country District EQC (w/enc)
Matt Tetrault – BLWM (w/enc)
USACOE Savannah District, ATTN: EN-GG (Steven Bath), PO Box 889, Savannah GA 31402-0889 (w/enc)
Commander, NAVFACENGCOM Southern Division, Attn: Code ES24 (Gabriel Magwood) P.O. Box 190010, North Charleston, SC 29419-9010 (w/enc)
Technical File (w/enc)

D H E C
PROMOTE PROTECT PROSPER

2600 Bull Street
Columbia, SC 29201-1708

1 June 2003

United States Marine Corps Air Station
Commanding Officer
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

Re: MCAS – 1054 Gardenia Drive
Site ID # 01794
Addendum Sampling Event #1 Report received 30 May 2003
Beaufort County

Dear Ms. Howard:

The Department has completed technical review of the referenced document. Interpretation of the analytical data provided in the referenced report indicates that chemicals of concern are above established Risk-Based Screening Levels and additional investigative and/or remedial actions are warranted.

Review of the submitted data indicates that the current monitoring well network does not sufficiently define the contaminant plume. The Department concurs with the recommendations as presented in the report that additional investigative activities are warranted. MCAS should install additional monitoring wells as proposed in the report; a monitoring well installation permit is enclosed. Once the additional wells have been installed, MCAS should complete one year of semi-annual comprehensive groundwater sampling events. Sampling methods and detection limits shall be in accordance with the *South Carolina Risk- Based Corrective Action for Petroleum Releases* guidance document dated May 2001.

Please submit the first groundwater sampling report and monitoring well installation records no later than 31 October 2003. Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael A. Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

Enc: MWA # 1725

cc: Low Country District EQC (w/enc)
Matt Tetrault – BLWM (w/enc)
USACOE Savannah District, ATTN: EN-GG (Steven Bath), PO Box 889, Savannah GA 31402-0889 (w/enc)
Commander, NAVFACENGCOM Southern Division, Attn: Code ES24 (Gabriel Magwood) P.O. Box 190010, North Charleston, SC 29419-9010 (w/enc)
Technical File (w/enc)

D H E C

PROMOTE PROTECT PROSPER

3 August 2004

United States Marine Corps Air Station
Commanding Officer
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

RECEIVED
NREAO
Date 8/9/04

Re: MCAS – 1054 Gardenia Drive
Site ID # 01794
Tier II Assessment Report received 3 August 2004
Beaufort County

Dear Ms. Howard:

The Department has completed technical review of the referenced document. Interpretation of the analytical data provided in the referenced report indicates that chemicals of concern are above established Risk-Based Screening Levels and additional actions are warranted.

The Department concurs with the recommendation of your contractor that a sampling plan be developed for this site. Sampling should be on a semi-annual basis for the first year. As part of the sampling plan, it is recommended that monitoring wells MW-8 and 9 be maintained but not sampled. If monitoring well MW-2 exhibits contamination in excess of RBSL limits, MW-8 & 9 should be added to the sampling regime. Sampling methods and detection limits shall be in accordance with the *South Carolina Risk- Based Corrective Action for Petroleum Releases* guidance document dated May 2001.

Please submit the first semi-annual groundwater sampling report no later than 28 February 2005. Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael A. Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Low Country District EQC
USACOE Savannah District, ATTN: EN-GG (Steven Bath), PO Box 889, Savannah GA 31402-0889
Commander, NAVFACENGCOM Southern Division, Attn: Code ES24 (Gabriel Magwood), PO Box 190010, North Charleston, SC 29419-9010
Technical File

Received 4/14/11

D H E C

PROMOTE PROTECT PROSPER

Bureau of Land and Waste Management
Division of Waste Management

April 6, 2011

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

Facility: Marine Corps Air Station, Beaufort
EPA ID #: SC1 750 216 169

RE: Review
Report of Findings for Laurel Bay Military Housing Area
Dated July 2010 and
Well Installation and Sampling Work Plan for
Laurel Bay Military Housing
Dated March 2011

Dear Mr. Drawdy:

The South Carolina Department of Health and Environmental Control (the Department) received the above referenced Report of Findings for Laurel Bay Military Housing Area on July 23, 2010 and Addendum to Well Installation and Sampling Work Plan for Laurel Bay Military Housing on March 4, 2011. Heating oil stored in underground storage tanks (USTs) historically heated homes in Laurel Bay. The USTs are no longer used for storing heating oil, and MCAS Beaufort is currently removing these USTs and evaluating their integrity. This Report of Findings and Well Installation and Sampling Work Plan document the groundwater conditions following limited soil sampling and temporary monitoring wells showed evidence of groundwater contamination related to some of the heating oil USTs.

Based on this review, the Department has generated the attached memorandum by Michael W. Danielsen from the Federal Facilities Groundwater Section. The response to the Department's comments may be addressed by submitting revised pages to be inserted into the original document, or by submitting another document. If new or revised pages

are submitted, please indicate whether each submitted page is a revision to an existing page in the original document or a new page not contained in the original document. Each revised page should be coded. For example, 32(R-7/30/07) would be page 32, revised 7/30/07. In addition to revisions, please provide a summary of the comment responses and revision pages.

Please note that the Department's review is based on available information provided by the MCAS. Any information found to be contradictory to this decision might require additional action. Furthermore, the Department retains the right to request further investigation if deemed necessary.

If you have any questions regarding this issue, please contact me at (803) 896-6675 or petruslb@dhec.sc.gov.

Sincerely,

Laurel B. Petrus, Environmental Engineer Associate
Corrective Action Engineering Section

Attachments

cc: Michael W. Danielsen, Hydrogeologist
Russell Berry, EQC Region 8
Dan Owens, NAVFAC SE

D H E C
PROMOTE PROTECT PROSPER
South Carolina Department of Health
and Environmental Control

Federal Facilities
Groundwater Section
2600 Bull Street
Columbia, SC 29201
Telephone (803) 896-4000
Fax (803) 896-4002

MEMORANDUM

TO: Laurel Petrus, Environmental Engineer Associate
Corrective Action Engineering Section
Division of Waste Management
Bureau of Land and Waste Management

FROM: Michael W. Danielsen, Hydrogeologist
Federal Facilities Groundwater Section
Division of Waste Management
Bureau of Land and Waste Management

DATE: April 5, 2011

RE: Marine Corps Air Station (MCAS)
Beaufort, South Carolina
SC1 750 216 169

Report of Findings for Laurel Bay Military Housing Area
Dated July 2010 (Received July 23, 2010)

Addendum to Well Installation and Sampling Work Plan for
Laurel Bay Military Housing Area
Dated March 2011 (Received March 4, 2011)

The above referenced Findings Report provides information from the installation of 35 monitoring wells as part of an ongoing effort to remove underground residential heating oil tanks (USTs) from the Laurel Bay Military Housing Area.

The Addendum to Well Installation and Sampling Work Plan provides the proposed well installation locations and sampling recommended in the Finding Report.

The documents referenced above have been reviewed with respect to the S.C. Pollution Control Act 48-1-10 and the S.C. Hazardous Waste Management Act, and other appropriate guidance documents.

Please see the attached comments.

CC: BLWM file # 50500

Report of Findings for Laurel Bay Military Housing Area and Addendum to Well Installation and Sampling Work Plan for Laurel Bay Military Housing Area
MCAS
Federal Facilities Groundwater Section
Comments prepared by
Michael W. Danielsen April 5, 2011

Report of Findings for Laurel Bay Military Housing Area

1. **Page 11 Section 6.0, Recommendations**

This section recommends no further action (NFA), annual monitoring, or expansion of the monitoring well network as follows:

NFA for:

- 201 Balsam Street,
- 390 Acorn Drive,
- 391 Acorn Drive,
- 299 Birch Lane,
- 1118 Iris Lane,

Annual groundwater monitoring for benzene, toluene, ethylene, xylene (BTEX), naphthalene, and polyaromatic hydrocarbons (PAH) at:

- 398 Acorn Drive,
- 388 Acorn Drive,
- 441 Elderberry Lane,
- 282 Birch Road,
- 1054 Gardenia Drive,

Expansion of the monitoring well networks and performance of annual groundwater monitoring for 1-methylnapthalene, 2-methylnapthalene, and/or naphthalene at the following:

- 437 Elderberry Lane- Install three additional monitoring wells downgradient of MW133.
- 1472 Cardinal Lane- Install three additional monitoring wells sidegradient and downgradient of MW130 to bound the contaminant plume.

In addition, all new monitoring wells will be sampled for BTEX, naphthalene, and PAH.

D H E C

PROMOTE PROTECT PROSPER

C. Earl Hunter, Commissioner

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

19 September 2005

United States Marine Corps Air Station
Commanding Officer
Attention: S-4 NREAO (A.G. Howard)
P.O. Box 55001
Beaufort, SC 29904-5001

Re: MCAS – 1054 Gardenia Drive
Site ID # 01794
Semi-Annual Sampling Report received 19 September 2005
Beaufort County

Dear Ms. Howard:

The Department has completed technical review of the referenced document. Interpretation of the analytical data provided in the referenced report indicates that chemicals of concern are above established Risk-Based Screening Levels for groundwater.

Naphthalene was detected in monitoring wells 1, 5, and 6 in excess of RBSL limits for groundwater. No other detections were noted in the report above MCLs. The Department concurs with the recommendation that wells MW-8 and MW-9 be abandoned. Please plan for abandonment activities during the next sampling event. The Department further recommends that the site be moved to an annual sampling frequency with the next report due 30 June 2006.

Please submit the first annual groundwater sampling report no later than 30 June 2006. Should you have any questions, please contact me at 803-898-3553 (office phone), 803-898-2893 (fax) or bishopma@dhec.sc.gov.

Sincerely,

Michael A. Bishop, Hydrogeologist
Groundwater Quality Section
Bureau of Water

cc: Region 8 District EQC
USACOE Savannah District, ATTN: EN-GG (Mike Bailey), PO Box 889, Savannah GA 31402-0889
Commander, NAVFACENGCOM Southern Division, Attn: Code ES24 (Gabriel Magwood), PO Box 190010, North Charleston, SC 29419-9010
Technical File

dhec
Healthy People. Healthy Communities.

December 17, 2019

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

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

Dear Mr. Vaigneur,

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

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

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

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

Sincerely,

Lisa Appel
RCRA Federal Facilities Section
Division of Waste Management

Attachment

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

Attachment: Appel to Vaigneur, Dated December 17, 2019

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

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

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

dhec
Healthy People. Healthy Communities.

August 29, 2018

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

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

Dear Mr. Drawdy:

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

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

Sincerely,

Laurel Petrus

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

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