



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

16 June 2014

Danny Harrelson
ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg, MS 3910
RE: Makau Military Res Oahu

Enclosed are the results of analyses for samples received by the laboratory on 19-Dec-2013. The samples associated with this report will be held for 90 days from the date of this report. The raw data associated with this report will be held for 5 years from the date of this report. If you need us to hold onto the samples or the data longer than these specified times, you will need to notify us in writing at least 30 days before the expiration dates. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michael Catt For Patty Tuminello
Project Coordinator



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

WORK ORDER SUMMARY

Sample ID	Laboratory ID	Matrix	Date Sampled	Date of Work Order
MAK001L/2L/26L	3121902-01	Tissue	27-Sep-2013	19-Dec-2013
MAK007L	3121902-02	Tissue	16-Sep-2013	19-Dec-2013
MAK009L	3121902-03	Tissue	16-Sep-2013	19-Dec-2013
MAK010L(comp)	3121902-04	Tissue	16-Sep-2013	19-Dec-2013
MAK011L	3121902-05	Tissue	16-Sep-2013	19-Dec-2013
MAK013L	3121902-06	Tissue	16-Sep-2013	19-Dec-2013
MAK016L/21L/27L	3121902-07	Tissue	27-Sep-2013	19-Dec-2013
MAK022L	3121902-08	Tissue	27-Sep-2013	19-Dec-2013
MAK023L	3121902-09	Tissue	27-Sep-2013	19-Dec-2013
MAK024L/25L	3121902-10	Tissue	27-Sep-2013	19-Dec-2013
MAK025L	3121902-11	Tissue	27-Sep-2013	19-Dec-2013
MAK047L	3121902-12	Tissue	15-Oct-2013	19-Dec-2013
MAK029L	3121902-13	Tissue	11-Oct-2013	19-Dec-2013
MAK030L	3121902-14	Tissue	11-Oct-2013	19-Dec-2013
MAK033L	3121902-15	Tissue	11-Oct-2013	19-Dec-2013
MAK034L	3121902-16	Tissue	11-Oct-2013	19-Dec-2013
MAK038L	3121902-17	Tissue	11-Oct-2013	19-Dec-2013
MAK041L	3121902-18	Tissue	11-Oct-2013	19-Dec-2013
MAK042L	3121902-19	Tissue	11-Oct-2013	19-Dec-2013
MAK043L	3121902-20	Tissue	11-Oct-2013	19-Dec-2013
MAK044L	3121902-21	Tissue	15-Oct-2013	19-Dec-2013
MAK045L	3121902-22	Tissue	15-Oct-2013	19-Dec-2013
MAK046L	3121902-23	Tissue	15-Oct-2013	19-Dec-2013
MAK049L	3121902-24	Tissue	15-Oct-2013	19-Dec-2013

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

Case Narrative

No issues were experienced during the analysis of Work Order 3121902 unless specified below.



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

MAK001L/2L/26L
3121902-01 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK007L

3121902-02 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

MAK009L
3121902-03 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK010L(comp)

3121902-04 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK011L

3121902-05 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK013L

3121902-06 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

MAK016L/21L/27L
3121902-07 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK022L

3121902-08 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK023L

3121902-09 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



**USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199**

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK024L/25L

3121902-10 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK025L

3121902-11 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK047L

3121902-12 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		14-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK029L

3121902-13 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK030L

3121902-14 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

MAK033L
3121902-15 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK034L

3121902-16 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK038L

3121902-17 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



**USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199**

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

**MAK041L
3121902-18 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

MAK042L
3121902-19 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

MAK043L
3121902-20 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

MAK044L

3121902-21 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
 3909 Halls Ferry Road
 Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
 16-Jun-2014

MAK045L

3121902-22 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL) 3909 Halls Ferry Road Vicksburg MS, 3910	Project: Makau Military Res Oahu Project Manager: Danny Harrelson	Reported: 16-Jun-2014
---	--	---------------------------------

MAK046L
3121902-23 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
 3909 Halls Ferry Road
 Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
 16-Jun-2014

MAK049L

3121902-24 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-----------------	-------	----------	----------	----------	--------	-------

ERDC- EL-EP-C (Environmental Chemistry Branch)

Explosive Compounds by EPA Method 8330

2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg		19-Nov-2013	08-Jan-2014	EPA 8330	
--------------------	----	-------	-------	-------	--	-------------	-------------	----------	--



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
 3909 Halls Ferry Road
 Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
 16-Jun-2014

Explosive Compounds by EPA Method 8330 - Quality Control
ERDC- EL-EP-C (Environmental Chemistry Branch)

Analyte	Detection Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	------------------	-----------------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B401033 - Sonication (probe or bath)

Blank (B401033-BLK1)					Prepared: 14-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg							
Blank (B401033-BLK2)					Prepared: 19-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	ND	0.010	0.100	mg/kg							
LCS (B401033-BS1)					Prepared: 14-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	4.16	0.010	0.100	mg/kg	8.000		52.0	60-135			
LCS (B401033-BS2)					Prepared: 19-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	4.23	0.010	0.100	mg/kg	8.000		52.9	60-135			
Matrix Spike (B401033-MS1)					Source: 3121902-12 Prepared: 14-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	3.65	0.010	0.100	mg/kg	8.000	ND	45.6	60-135			
Matrix Spike (B401033-MS2)					Source: 3121902-24 Prepared: 19-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	3.68	0.010	0.100	mg/kg	8.000	ND	46.0	60-135			
Matrix Spike Dup (B401033-MSD1)					Source: 3121902-12 Prepared: 14-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	3.90	0.010	0.100	mg/kg	8.000	ND	48.8	60-135	6.88	30	
Matrix Spike Dup (B401033-MSD2)					Source: 3121902-24 Prepared: 19-Nov-2013 Analyzed: 08-Jan-2014						
2,4-Dinitrotoluene	3.94	0.010	0.100	mg/kg	8.000	ND	49.3	60-135	6.78	30	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



USACE ERDC-EP-C
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

ERDC - Vicksburg (GSL)
3909 Halls Ferry Road
Vicksburg MS, 3910

Project: Makau Military Res Oahu

Project Manager: Danny Harrelson

Reported:
16-Jun-2014

Items for Project Manager Review

LabNumber

Analysis

Analyte

Exception
