



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

22 September 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 11-Sep-2014. 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 Allyson Holman
Biologist



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

Reported:
 22-Sep-2014

WORK ORDER SUMMARY

Sample ID	Laboratory ID	Matrix	Date Sampled	Date of Work Order
MAK101O	4091105-01	Tissue	13-Jan-2014	11-Sep-2014
MAK102O	4091105-02	Tissue	13-Jan-2014	11-Sep-2014
MAK103O	4091105-03	Tissue	13-Jan-2014	11-Sep-2014
MAK104O	4091105-04	Tissue	13-Jan-2014	11-Sep-2014
MAK105O	4091105-05	Tissue	13-Jan-2014	11-Sep-2014
MAK106O	4091105-06	Tissue	13-Jan-2014	11-Sep-2014
MAK107O	4091105-07	Tissue	13-Jan-2014	11-Sep-2014
MAK108O	4091105-08	Tissue	13-Jan-2014	11-Sep-2014
MAK102C	4091105-09	Tissue	13-Jan-2014	11-Sep-2014
MAK103C	4091105-10	Tissue	13-Jan-2014	11-Sep-2014
MAK104C	4091105-11	Tissue	13-Jan-2014	11-Sep-2014
MAK105C	4091105-12	Tissue	13-Jan-2014	11-Sep-2014
MAK106C	4091105-13	Tissue	13-Jan-2014	11-Sep-2014
MAK107C	4091105-14	Tissue	13-Jan-2014	11-Sep-2014
MAK108C	4091105-15	Tissue	13-Jan-2014	11-Sep-2014
MAK110C	4091105-16	Tissue	14-Jan-2014	11-Sep-2014
MAK101L	4091105-17	Tissue	13-Jan-2014	11-Sep-2014
MAK102L	4091105-18	Tissue	13-Jan-2014	11-Sep-2014
MAK105L	4091105-19	Tissue	13-Jan-2014	11-Sep-2014
MAK106L	4091105-20	Tissue	14-Jan-2014	11-Sep-2014
MAK108, 109, 110, 113L	4091105-21	Tissue	14-Jan-2014	11-Sep-2014
MAK111L	4091105-22	Tissue	14-Jan-2014	11-Sep-2014
MAK112L	4091105-23	Tissue	14-Jan-2014	11-Sep-2014
MAK115L	4091105-24	Tissue	14-Jan-2014	11-Sep-2014
MAK111C	4091105-25	Tissue	31-Jan-2014	11-Sep-2014
MAK113C	4091105-26	Tissue	31-Jan-2014	11-Sep-2014
MAK114C	4091105-27	Tissue	31-Jan-2014	11-Sep-2014
MAK115C	4091105-28	Tissue	31-Jan-2014	11-Sep-2014
MAK116C	4091105-29	Tissue	31-Jan-2014	11-Sep-2014
MAK117C	4091105-30	Tissue	31-Jan-2014	11-Sep-2014
MAK118C	4091105-31	Tissue	31-Jan-2014	11-Sep-2014

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Project Manager: Danny Harrelson

Reported:
22-Sep-2014

WORK ORDER SUMMARY

Sample ID	Laboratory ID	Matrix	Date Sampled	Date of Work Order
MAK120C	4091105-32	Tissue	11-Feb-2014	11-Sep-2014
MAK120L	4091105-33	Tissue	31-Jan-2014	11-Sep-2014
MAK121L	4091105-34	Tissue	31-Jan-2014	11-Sep-2014
MAK122L	4091105-35	Tissue	31-Jan-2014	11-Sep-2014
MAK123L	4091105-36	Tissue	31-Jan-2014	11-Sep-2014
MAK124L	4091105-37	Tissue	31-Jan-2014	11-Sep-2014
MAK126L	4091105-38	Tissue	31-Jan-2014	11-Sep-2014
MAK127L	4091105-39	Tissue	11-Feb-2014	11-Sep-2014
MAK128L	4091105-40	Tissue	11-Feb-2014	11-Sep-2014
MAK116L	4091105-41	Tissue	31-Jan-2014	11-Sep-2014
MAK117L	4091105-42	Tissue	31-Jan-2014	11-Sep-2014
MAK118L	4091105-43	Tissue	31-Jan-2014	11-Sep-2014
MAK121C	4091105-44	Tissue	28-Mar-2014	11-Sep-2014
MAK122C	4091105-45	Tissue	28-Mar-2014	11-Sep-2014
MAK123C	4091105-46	Tissue	28-Mar-2014	11-Sep-2014
MAK124C	4091105-47	Tissue	28-Mar-2014	11-Sep-2014
MAK125C	4091105-48	Tissue	28-Mar-2014	11-Sep-2014
MAK126C	4091105-49	Tissue	28-Mar-2014	11-Sep-2014
MAK127C	4091105-50	Tissue	28-Mar-2014	11-Sep-2014
MAK128C	4091105-51	Tissue	28-Mar-2014	11-Sep-2014



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Case Narrative

Samples received 11 Sept 2014, all coolers below 0deg.

For sequence 092014, there was an injection error after data file 008.d CCV L4. The ICV was injected with a DFTPP standard following it and the run was allowed to proceed.

The Area% for data file 034.d CCV exceeded the acceptance limit for all compounds and 047.d CCV was below the acceptance limit for surrogate terphenyl d14 although the %Dev was acceptable for both. All other CCVs for the sequence were within method ranges so data was considered acceptable.

Sequence B091914 data file 009.d was below the Area% limit for terphenyl d14. All other CCVs were within method acceptance ranges.

In batch B409210, samples 4091105 21-24 had high recoveries for 2-Fluorobiphenyl surrogate which exceeded method limits. Internal standard responses were acceptable, therefore, high recoveries were likely caused by matrix interferences.

Batch B409224 samples 4091105 11, 17, 18, and 20 also had high recoveries for 2-fluorobiphenyl, again, likely caused by matrix interferences.



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Notes and Definitions

- U Analyte included in the analysis, but not detected
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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



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MAK1010

4091105-01 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	561	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			111 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			112 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK102O

4091105-02 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	548	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			127 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			131 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	S-GC

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MAK1030

4091105-03 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	548	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			118 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			113 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK1040

4091105-04 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	571	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			116 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			127 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK1050

4091105-05 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	591	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			116 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			126 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK106O

4091105-06 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	548	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			121 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			129 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK1070

4091105-07 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	585	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			114 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			123 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK1080

4091105-08 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	574	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			116 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			127 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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Reported:
 22-Sep-2014

MAK102C

4091105-09 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	553	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			110 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			117 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK103C

4091105-10 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	571	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			128 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			128 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK104C

4091105-11 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	594	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			116 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			129 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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Reported:
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MAK105C

4091105-12 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	577	ug/kg		12-Sep-2014	19-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			116 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			122 %	40-130		12-Sep-2014	19-Sep-2014	EPA 8270C	

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MAK106C

4091105-13 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	594	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			121 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			119 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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MAK107C

4091105-14 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	600	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			117 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			122 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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**MAK108C
4091105-15 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	600	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			126 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			126 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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MAK110C

4091105-16 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	569	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			129 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			97.2 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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MAK101L

4091105-17 (Tissue)

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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	569	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			196 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	S-GC
Surrogate: Terphenyl-d14			127 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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3909 Halls Ferry Road
Vicksburg, MS 39180-6199

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

Project: Makau Military Res Oahu

Reported:
 22-Sep-2014

Project Manager: Danny Harrelson

MAK102L

4091105-18 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	566	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			172 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	S-GC
Surrogate: Terphenyl-d14			121 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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**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: 22-Sep-2014
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**MAK105L
4091105-19 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	580	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			118 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			119 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK106L

4091105-20 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	543	ug/kg		12-Sep-2014	20-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			135 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	S-GC
Surrogate: Terphenyl-d14			115 %	40-130		12-Sep-2014	20-Sep-2014	EPA 8270C	

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**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:
22-Sep-2014

**MAK108, 109, 110, 113L
4091105-21 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	558	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			213 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	S-GC
Surrogate: Terphenyl-d14			114 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK111L

4091105-22 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	571	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			199 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	S-GC
Surrogate: Terphenyl-d14			105 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK112L

4091105-23 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	583	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			266 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	S-GC
Surrogate: Terphenyl-d14			124 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK115L

4091105-24 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	553	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			153 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	S-GC
Surrogate: Terphenyl-d14			111 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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: 22-Sep-2014
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**MAK111C
4091105-25 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	566	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			118 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			84.1 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK113C

4091105-26 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	541	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			114 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			109 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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: 22-Sep-2014
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**MAK114C
4091105-27 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	524	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			115 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			114 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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: 22-Sep-2014
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**MAK115C
4091105-28 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	563	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			118 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			113 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK116C

4091105-29 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	517	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			118 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			116 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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: 22-Sep-2014
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**MAK117C
4091105-30 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	558	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			114 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			112 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK118C

4091105-31 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	563	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			124 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			120 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK120C

4091105-32 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	566	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			109 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			106 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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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

Reported:
 22-Sep-2014

Project Manager: Danny Harrelson

MAK120L

4091105-33 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	574	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			125 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			124 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK121L

4091105-34 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	569	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			122 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			119 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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: 22-Sep-2014
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**MAK122L
4091105-35 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	583	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			59.0 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			57.6 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK123L

4091105-36 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	574	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			122 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			130 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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: 22-Sep-2014
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**MAK124L
4091105-37 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	580	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			109 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			95.9 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK126L

4091105-38 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	563	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			118 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			119 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK127L

4091105-39 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	553	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			114 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			113 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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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

Reported:
 22-Sep-2014

Project Manager: Danny Harrelson

MAK128L

4091105-40 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	545	ug/kg		12-Sep-2014	22-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			128 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			130 %	40-130		12-Sep-2014	22-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK116L

4091105-41 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	569	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			115 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			101 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK117L

4091105-42 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	553	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			128 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			126 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK118L

4091105-43 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	543	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			121 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			111 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK121C

4091105-44 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	561	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			100 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			104 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK122C

4091105-45 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	594	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			105 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			104 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK123C

4091105-46 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	550	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			117 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			116 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK124C

4091105-47 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	594	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			102 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			103 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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: 22-Sep-2014
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**MAK125C
4091105-48 (Tissue)**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	541	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			93.3 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			96.5 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK126C

4091105-49 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	606	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			97.1 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			96.8 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK127C

4091105-50 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	563	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			106 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			107 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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**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

Reported:
22-Sep-2014

Project Manager: Danny Harrelson

MAK128C

4091105-51 (Tissue)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Notes
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ERDC- EL-EP-C

Pentachlorophenol by GC/MS with Selected Ion Monitoring

Pentachlorophenol	ND	300	606	ug/kg		12-Sep-2014	21-Sep-2014	EPA 8270C	U
Surrogate: 2-Fluorobiphenyl			93.4 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	
Surrogate: Terphenyl-d14			95.5 %	40-130		12-Sep-2014	21-Sep-2014	EPA 8270C	

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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

Reported:
 22-Sep-2014

Project Manager: Danny Harrelson

Pentachlorophenol by GC/MS with Selected Ion Monitoring - Quality Control

ERDC- EL-EP-C

Analyte	Detection Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B409210 - Sonication (probe or bath)

Blank (B409210-BLK1) Prepared: 12-Sep-2014 Analyzed: 22-Sep-2014

Pentachlorophenol	ND	300	600	ug/kg							U
Surrogate: 2-Fluorobiphenyl	6100			ug/kg	5000		122	40-130			
Surrogate: Terphenyl-d14	6000			ug/kg	5000		119	40-130			

Blank (B409210-BLK2) Prepared: 12-Sep-2014 Analyzed: 21-Sep-2014

Pentachlorophenol	ND	300	600	ug/kg							U
Surrogate: 2-Fluorobiphenyl	6000			ug/kg	5000		121	40-130			
Surrogate: Terphenyl-d14	6400			ug/kg	5000		128	40-130			

LCS (B409210-BS1) Prepared: 12-Sep-2014 Analyzed: 22-Sep-2014

Pentachlorophenol	3700	300	600	ug/kg	4000		91.5	50-130			
Surrogate: 2-Fluorobiphenyl	5500			ug/kg	5000		111	40-130			
Surrogate: Terphenyl-d14	5500			ug/kg	5000		110	40-130			

LCS (B409210-BS2) Prepared: 12-Sep-2014 Analyzed: 21-Sep-2014

Pentachlorophenol	3200	300	600	ug/kg	4000		79.8	50-130			
Surrogate: 2-Fluorobiphenyl	5100			ug/kg	5000		102	40-130			
Surrogate: Terphenyl-d14	5100			ug/kg	5000		101	40-130			

Matrix Spike (B409210-MS1) Source: 4091105-36 Prepared: 12-Sep-2014 Analyzed: 21-Sep-2014

Pentachlorophenol	2100	300	558	ug/kg	3721	ND	55.4	50-130			
Surrogate: 2-Fluorobiphenyl	4800			ug/kg	4651		103	40-130			
Surrogate: Terphenyl-d14	5100			ug/kg	4651		110	40-130			

Matrix Spike (B409210-MS2) Source: 4091105-46 Prepared: 12-Sep-2014 Analyzed: 22-Sep-2014

Pentachlorophenol	3000	300	569	ug/kg	3791	ND	79.8	50-130			
Surrogate: 2-Fluorobiphenyl	4900			ug/kg	4739		102	40-130			
Surrogate: Terphenyl-d14	4600			ug/kg	4739		97.9	40-130			

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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:
 22-Sep-2014

Pentachlorophenol by GC/MS with Selected Ion Monitoring - Quality Control

ERDC- EL-EP-C

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

Batch B409210 - Sonication (probe or bath)

Matrix Spike Dup (B409210-MSD1)		Source: 4091105-36			Prepared: 12-Sep-2014 Analyzed: 22-Sep-2014					
Pentachlorophenol	2000	300	571	ug/kg	3810	ND	51.4	50-130	5.13	30
Surrogate: 2-Fluorobiphenyl	3900			ug/kg	4762		82.7	40-130		
Surrogate: Terphenyl-d14	4200			ug/kg	4762		87.6	40-130		

Matrix Spike Dup (B409210-MSD2)		Source: 4091105-46			Prepared: 12-Sep-2014 Analyzed: 22-Sep-2014					
Pentachlorophenol	3000	300	563	ug/kg	3756	ND	80.7	50-130	0.160	30
Surrogate: 2-Fluorobiphenyl	4800			ug/kg	4695		103	40-130		
Surrogate: Terphenyl-d14	4800			ug/kg	4695		102	40-130		

Batch B409224 - Sonication (probe or bath)

Blank (B409224-BLK1)		Prepared: 12-Sep-2014 Analyzed: 19-Sep-2014								
Pentachlorophenol	ND	300	600	ug/kg						U
Surrogate: 2-Fluorobiphenyl	6100			ug/kg	5000		123	40-130		
Surrogate: Terphenyl-d14	6400			ug/kg	5000		128	40-130		

LCS (B409224-BS1)		Prepared: 12-Sep-2014 Analyzed: 19-Sep-2014								
Pentachlorophenol	3900	300	600	ug/kg	4000		96.6	50-130		
Surrogate: 2-Fluorobiphenyl	6100			ug/kg	5000		123	40-130		
Surrogate: Terphenyl-d14	6100			ug/kg	5000		123	40-130		

Matrix Spike (B409224-MS1)		Source: 4091105-05			Prepared: 12-Sep-2014 Analyzed: 16-Sep-2014					
Pentachlorophenol	4800	300	545	ug/kg	3636	ND	133	50-130		QM-07
Surrogate: 2-Fluorobiphenyl	5100			ug/kg	4545		111	40-130		
Surrogate: Terphenyl-d14	5200			ug/kg	4545		114	40-130		

Matrix Spike Dup (B409224-MSD1)		Source: 4091105-05			Prepared: 12-Sep-2014 Analyzed: 20-Sep-2014					
Pentachlorophenol	4400	300	561	ug/kg	3738	ND	119	50-130	8.55	30
Surrogate: 2-Fluorobiphenyl	5800			ug/kg	4673		124	40-130		
Surrogate: Terphenyl-d14	4400			ug/kg	4673		94.8	40-130		

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ARDL, Inc

P.O. Box 1566, 400 Aviation Drive, Mount Vernon, Illinois 62864
 Phone (618) 244-3235, Fax (618) 244-1149

CHAIN OF CUSTODY RECORD

Project					# of Containers	Pentachlorophenol													ARDL, Inc	PRESERVATION		
ARDL / Makau Military Reservation Oahu, Hawaii Project																				Remarks or Sample Location	ICED	Specify Chemicals added and final pH if known
SAMPLERS (Signature)					DATE	TIME	Comp	Grab	# of Containers	Pentachlorophenol												
SAMPLE NUMBER	DATE	TIME	Comp	Grab																		
MAK001C	9/9/2013	1403		x	1	x														ARDL 6557-01	x	
MAK002C	9/9/2013	1227		x	1	x														ARDL 6557-02	x	
MAK004C	9/9/2013	1420		x	1	x														ARDL 6557-03	x	
MAK005C	9/9/2013	1514		x	1	x														ARDL 6557-04	x	
MAK006C	9/11/2013	1005		x	1	x														ARDL 6557-05	x	
MAK007C	9/11/2013	1020		x	1	x														ARDL 6557-06	x	
MAK008C	9/11/2013	1115		x	1	x														ARDL 6557-07	x	
MAK009C	9/11/2013	1126		x	1	x														ARDL 6557-08	x	
Relinquished by: (Signature)					Date	Time	Relinquished by: (Signature)					REMARKS / SPECIAL INSTRUCTIONS:										
Relinquished by: (Signature)					Date	Time	Relinquished by: (Signature)															
Received for Laboratory by: (Signature)					Date	Time	Shipping Ticket No.															

[Handwritten Signature]

9/10/14 1655

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9-11-14 11:50a

ARDL, Inc

P.O. Box 1566, 400 Aviation Drive, Mount Vernon, Illinois 62864
 Phone (618) 244-3235, Fax (618) 244-1149

CHAIN OF CUSTODY RECORD

Project					# of Containers	Pentachlorophenol												ARDL, Inc	PRESERVATION		
ARDL / Makau Military Reservation Oahu, Hawaii Project																			Remarks or Sample Location	ICED	Specify Chemicals added and final pH if known
SAMPLERS (Signature)																					
SAMPLE NUMBER	DATE	TIME	Comp	Grab																	
MAK010C	9/13/2013	1128	x	x	1	x												ARDL # 6557-09	x		
MAK014C	9/13/2013	1355	x	x	1	x												ARDL # 6557-10	x		
MAK015C	9/13/2013	958	x	x	1	x												ARDL # 6557-11	x		
MAK018C	9/16/2013	905	x	x	1	x												ARDL # 6557-12	x		
MAK019C	9/16/2013	915	x	x	1	x												ARDL # 6557-13	x		
MAK020C	9/16/2013	1018	x	x	1	x												ARDL # 6557-14	x		
MAK022C	9/16/2013	1150	x	x	1	x												ARDL # 6557-15	x		
MAK024C	9/22/2013	830	x	x	1	x												ARDL # 6557-16	x		
MAK025C	9/22/2013	906	x	x	1	x												ARDL # 6557-17	x		
MAK026C	9/22/2013	1018	x	x	1	x												ARDL # 6557-18	x		
MAK027C	9/22/2013	1140	x	x	1	x												ARDL # 6557-19	x		
MAK028C	9/22/2013	1300	x	x	1	x												ARDL # 6558-04	x		
MAK029C	9/23/2013	820	x	x	1	x												ARDL # 6558-01	x		
MAK030C	9/23/2013	833	x	x	1	x												ARDL # 6558-02	x		
MAK031C	9/23/2013	1050	x	x	1	x												ARDL # 6558-03	x		
MAK032C	9/23/2013	1210	x	x	1	x												ARDL # 6557-20	x		
Relinquished by: (Signature)			Date	Time	Relinquished by: (Signature)										REMARKS / SPECIAL INSTRUCTIONS:						
			9/10/14	1455																	
Relinquished by: (Signature)			Date	Time	Relinquished by: (Signature)																
Received for Laboratory by: (Signature)			Date	Time	Shipping Ticket No.																
			9-11-14	11:50a																	

ARDL, Inc

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 Phone (618) 244-3235, Fax (618) 244-1149

CHAIN OF CUSTODY RECORD

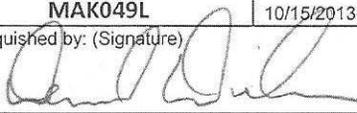
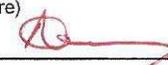
Project					# of Containers	Pentachlorophenol												ARDL, Inc	PRESERVATION		
ARDL / Makau Military Reservation Oahu, Hawaii Project																			ICED	Specify Chemicals added and final pH if known	
SAMPLERS (Signature)					Remarks or Sample Location																
SAMPLE NUMBER	DATE	TIME	Comp	Grab																	
MAK009O	9/13/2013	1248		x	1	x												ARDL # 6555-09	x		
MAK010O	9/16/2013	1025		x	1	x												ARDL # 6555-10	x		
MAK011O	9/16/2013	1110		x	1	x												ARDL # 6555-11	x		
MAK012O	9/22/2013	1315		x	1	x												ARDL # 6555-12	x		
MAK013O	9/22/2013	1400		x	1	x												ARDL # 6555-13	x		
MAK014O	9/23/2013	820		x	1	x												ARDL # 6555-14	x		
MAK015O	9/22/2013	830		x	1	x												ARDL # 6555-15	x		
MAK016O	9/22/2013	1115		x	1	x												ARDL # 6555-16	x		
MAK017O	9/22/2013	1140		x	1	x												ARDL # 6555-17	x		
MAK018O	9/22/2013	1206		x	1	x												ARDL # 6555-18	x		
MAK019O	9/23/2013	833		x	1	x												ARDL # 6555-19	x		
MAK020O	9/23/2013	855		x	1	x												ARDL # 6555-20	x		
MAK021O	9/23/2013	927		x	1	x												ARDL # 6555-07	x		
MAK022O	9/23/2013	1020		x	1	x												ARDL # 6556-02	x		
MAK023O	9/23/2013	1136		x	1	x												ARDL # 6556-03	x		
MAK024O	9/27/2013	828		x	1	x												ARDL # 6556-04	x		
Relinquished by: (Signature)					Date	Time	Relinquished by: (Signature)										REMARKS / SPECIAL INSTRUCTIONS:				
Relinquished by: (Signature)					Date	Time	Relinquished by: (Signature)														
Received for Laboratory by: (Signature)					Date	Time	Shipping Ticket No.														

4

ARDL, Inc

P.O. Box 1566, 400 Aviation Drive, Mount Vernon, Illinois 62864
 Phone (618) 244-3235, Fax (618) 244-1149

CHAIN OF CUSTODY RECORD

Project					# of Containers	Pentachlorophenol												ARDL, Inc	PRESERVATION	
ARDL / Makau Military Reservation Oahu, Hawaii Project																			Remarks or Sample Location	ICED
SAMPLERS (Signature)					Comp	Grab														
SAMPLE NUMBER	DATE	TIME	Comp	Grab																
MAK001L/2L/26L	9/9-27/13	varies	x		1	x												ARDL # 6562-01	x	
MAK007L	9/16/2013	1320		x	1	x												ARDL # 6562-02	x	
MAK009L	9/16/2013	1433		x	1	x												ARDL # 6562-03	x	
MAK010L (comp)	9/16/2013	varies	x		1	x												ARDL # 6562-04	x	
MAK011L	9/16/2013	750		x	1	x												ARDL # 6562-05	x	
MAK013L	9/18/2013	750		x	1	x												ARDL # 6562-06	x	
MAK016L/21L/27L	9/23-27/13	varies	x		1	x												ARDL # 6562-07	x	
MAK022L	9/27/2013	1255		x	1	x												ARDL # 6562-08	x	
MAK023L	9/27/2013	1255		x	1	x												ARDL # 6562-09	x	
MAK024L/25L	9/27/2013	1255	x		1	x												ARDL # 6562-10	x	
MAK025L	9/27/2013	1255		x	1	x												ARDL # 6562-11	x	
MAK029L	10/11/2013	1505		x	1	x												ARDL # 6562-12	x	
MAK030L	10/11/2013	950		x	1	x												ARDL # 6563-01	x	
MAK033L	10/11/2013	1050		x	1	x												ARDL # 6563-02	x	
MAK034L	10/11/2013	1050		x	1	x												ARDL # 6563-03	x	
MAK038L	10/11/2013	1301		x	1	x												ARDL # 6563-04	x	
MAK041L	10/11/2013	1400		x	1	x												ARDL # 6563-05	x	
MAK042L	10/11/2013	1400		x	1	x												ARDL # 6563-06	x	
MAK043L	10/11/2013	1400		x	1	x												ARDL # 6563-07	x	
MAK044L	10/15/2013	925		x	1	x												ARDL # 6563-08	x	
MAK045L	10/15/2013	1025		x	1	x												ARDL # 6563-09	x	
MAK046L	10/15/2013	1105		x	1	x												ARDL # 6563-10	x	
MAK047L	10/15/2013	1158		x	1	x												ARDL # 6563-11	x	
MAK049L	10/15/2013	1225		x	1	x												ARDL # 6563-12	x	
Relinquished by: (Signature)		Date	Time	Relinquished by: (Signature)												REMARKS / SPECIAL INSTRUCTIONS:				
		9/10/14	1455																	
Relinquished by: (Signature)		Date	Time	Relinquished by: (Signature)																
Received for Laboratory by: (Signature)		Date	Time	Shipping Ticket No.																
		9-11-14	11:50 a																	

ARDL, Inc

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CHAIN OF CUSTODY RECORD

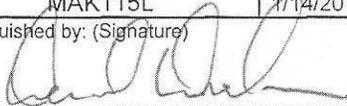
Project ARDL / Makau Military Reservation Oahu, Hawaii Project				# of Containers	Pentachlorophenol										ARDL, Inc	PRESERVATION		
SAMPLERS (Signature)																ICED	Specify Chemicals added and final pH if known	
SAMPLE NUMBER	DATE	TIME	Comp Grab												Remarks or Sample Location			
MAK109O	1/31/2014	10:45	x	1	x										Octopus	ARDL # 6619-01	x	
MAK110O	3/28/2014	8:38	x	1	x										Octopus	ARDL # 6619-02	x	
MAK111O	3/28/2014	9:20	x	1	x										Octopus	ARDL # 6619-03	x	
MAK112O	3/28/2014	10:00	x	1	x										Octopus	ARDL # 6619-04	x	
MAK113O	3/28/2014	10:35	x	1	x										Octopus	ARDL # 6619-05	x	
MAK114O	3/28/2014	11:32	x	1	x										Octopus	ARDL # 6619-06	x	
MAK115O	3/28/2014	13:01	x	1	x										Octopus	ARDL # 6619-07	x	
MAK116O	3/28/2014	14:58	x	1	x										Octopus	ARDL # 6619-08	x	
MAK117O	3/28/2014	16:43	x	1	x										Octopus	ARDL # 6619-09	x	
MAK118O	3/27/2014	8:50	x	1	x										Octopus	ARDL # 6619-10	x	
MAK119O	3/27/2014	9:20	x	1	x										Octopus	ARDL # 6619-11	x	
MAK120O	3/27/2014	11:23	x	1	x										Octopus	ARDL # 6619-12	x	
MAK121O	3/27/2014	12:05	x	1	x										Octopus	ARDL # 6619-13	x	
MAK122O	3/27/2014	13:05	x	1	x										Octopus	ARDL # 6619-14	x	
MAK123O	3/27/2014	15:08	x	1	x										Octopus	ARDL # 6619-15	x	
MAK124O	3/28/2014	12:25	x	1	x										Octopus	ARDL # 6619-16	x	
MAK130L	3/27/2014	8:20	x	1	x										Limu	ARDL # 6620-01	x	
MAK132L	3/28/2014	8:38	x	1	x										Limu	ARDL # 6620-02	x	
MAK134L	3/28/2014	9:20	x	1	x										Limu	ARDL # 6620-03	x	
MAK135L	3/28/2014	10:00	x	1	x										Limu	ARDL # 6620-04	x	
MAK138L	3/28/2014	11:32	x	1	x										Limu	ARDL # 6620-05	x	
Relinquished by: (Signature)				Date	Time	Relinquished by: (Signature)				REMARKS / SPECIAL INSTRUCTIONS:								
Relinquished by: (Signature)				Date	Time	Relinquished by: (Signature)												
Received for Laboratory by: (Signature)				Date	Time	Shipping Ticket No.												

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CHAIN OF CUSTODY RECORD

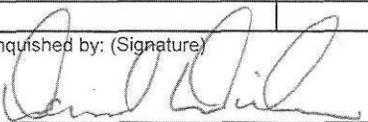
2

Project					# of Containers	Pentachlorophenol									ARDL, Inc	PRESERVATION	
ARDL / Makau Military Reservation Oahu, Hawaii Project																ICED	Specify Chemicals added and final pH if known
SAMPLERS (Signature)														Remarks or Sample Location			
SAMPLE NUMBER	DATE	TIME	Comp	Grab													
MAK101O	1/13/2014	10:02	X	X	1	X								Octopus	ARDL # 6611-01	x	
MAK102O	1/13/2014	10:30	X	X	1	X								Octopus	ARDL # 6611-02	x	
MAK103O	1/13/2014	11:02	X	X	1	X								Octopus	ARDL # 6611-03	x	
MAK104O	1/13/2014	11:30	X	X	1	X								Octopus	ARDL # 6611-04	x	
MAK105O	1/13/2014	11:58	X	X	1	X								Octopus	ARDL # 6611-05	x	
MAK106O	1/13/2014	12:20	X	X	1	X								Octopus	ARDL # 6611-06	x	
MAK107O	1/13/2014	13:05	X	X	1	X								Octopus	ARDL # 6611-07	x	
MAK108O	1/13/2014	14:20	X	X	1	X								Octopus	ARDL # 6611-08	x	
MAK102C	1/13/2014	10:02	X	X	1	X								Sea Cucumber	ARDL # 6612-01	x	
MAK103C	1/13/2014	10:22	X	X	1	X								Sea Cucumber	ARDL # 6612-02	x	
MAK104C	1/13/2014	11:00	X	X	1	X								Sea Cucumber	ARDL # 6612-03	x	
MAK105C	1/13/2014	11:30	X	X	1	X								Sea Cucumber	ARDL # 6612-04	x	
MAK106C	1/13/2014	12:05	X	X	1	X								Sea Cucumber	ARDL # 6612-05	x	
MAK107C	1/13/2014	12:40	X	X	1	X								Sea Cucumber	ARDL # 6612-06	x	
MAK108C	1/13/2014	13:50	X	X	1	X								Sea Cucumber	ARDL # 6612-07	x	
MAK110C	1/14/2014	9:55	X	X	1	X								Sea Cucumber	ARDL # 6612-08	x	
MAK101L	1/13/2014	9:10	X	X	1	X								Limu	ARDL # 6613-01	x	
MAK102L	1/13/2014	10:02	X	X	1	X								Limu	ARDL # 6613-02	x	
MAK105L	1/13/2014	15:20	X	X	1	X								Limu	ARDL # 6613-03	x	
MAK106L	1/14/2014	8:45	X	X	1	X								Limu	ARDL # 6613-04	x	
MAK108,109,110,113L	1/14/2014		X	X	1	X								Limu	ARDL # 6613-05	x	
MAK111L	1/14/2014	12:05	X	X	1	X								Limu	ARDL # 6613-06	x	
MAK112L	1/14/2014	12:50	X	X	1	X								Limu	ARDL # 6613-07	x	
MAK115L	1/14/2014	14:00	X	X	1	X								Limu	ARDL # 6613-08	x	
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)		REMARKS / SPECIAL INSTRUCTIONS:												
	9/10/14	11:55			Please send level 4 hardcopy report and excel edd to: Dean Dickerson, c/o ARDL, Inc. 400 Aviation Drive, Mount Vernon, IL 62864. Email questions to ddickerson@ardlinc.com.												
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)														
Received for Laboratory by: (Signature)	Date	Time	Shipping Ticket No.														
	9-11-14	11:50a															

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CHAIN OF CUSTODY RECORD

Project ARDL / Makau Military Reservation Oahu, Hawaii Project					# of Containers	Pentachlorophenol										ARDL, Inc	PRESERVATION	
SAMPLERS (Signature)																	ICED	Specify Chemicals added and final pH if known
SAMPLE NUMBER	DATE	TIME	Comp	Grab											Remarks or Sample Location			
MAK111C	1/31/2014	1000	x	x	1	x									Sea Cucumber	ARDL # 6615-01	x	
MAK113C	1/31/2014	1120	x	x	1	x									Sea Cucumber	ARDL # 6615-02	x	
MAK114C	1/31/2014	1155	x	x	1	x									Sea Cucumber	ARDL # 6615-03	x	
MAK115C	1/31/2014	1300	x	x	1	x									Sea Cucumber	ARDL # 6615-04	x	
MAK116C	1/31/2014	1330	x	x	1	x									Sea Cucumber	ARDL # 6615-05	x	
MAK117C	1/31/2014	1435	x	x	1	x									Sea Cucumber	ARDL # 6615-06	x	
MAK118C	1/31/2014	1605	x	x	1	x									Sea Cucumber	ARDL # 6615-07	x	
MAK120C	2/11/2014	1030	x	x	1	x									Sea Cucumber	ARDL # 6615-08	x	
MAK120L	1/31/2014	1040	x	x	1	x									Limu	ARDL # 6616-01	x	
MAK121L	1/31/2014	1130	x	x	1	x									Limu	ARDL # 6616-02	x	
MAK122L	1/31/2014	1405	x	x	1	x									Limu	ARDL # 6616-03	x	
MAK123L	1/31/2014	1455	x	x	1	x									Limu	ARDL # 6616-04	x	
MAK124L	1/31/2014	1540	x	x	1	x									Limu	ARDL # 6616-05	x	
MAK126L	1/31/2014	1615	x	x	1	x									Limu	ARDL # 6616-06	x	
MAK127L	2/11/2014	1304	x	x	1	x									Limu	ARDL # 6616-07	x	
MAK128L	2/11/2014	1415	x	x	1	x									Limu	ARDL # 6616-08	x	
MAK116L	1/31/2014	820	x	x	1	x									Limu	ARDL # 6617-01	x	
MAK117L	1/31/2014	835	x	x	1	x									Limu	ARDL # 6617-02	x	
MAK118L	1/31/2014	910	x	x	1	x									Limu	ARDL # 6617-03	x	
Relinquished by: (Signature)			Date	Time	Relinquished by: (Signature)			REMARKS / SPECIAL INSTRUCTIONS:										
			9/10/14	1655														
Relinquished by: (Signature)			Date	Time	Relinquished by: (Signature)													
Received for Laboratory by: (Signature)			Date	Time	Shipping Ticket No.													
			9-11-14	11:50a														

Items for Project Manager Review

LabNumber

Analysis

Analyte

Exception
