Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 1631** ***Matrix:*** **Tissue**

Sample ID: **MAK109O** ***Collected:*** **1/31/2014 10:45:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	8.96	N	0.11	DL	0.37	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK110O** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	8.11		0.13	DL	0.44	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK111O** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	12.3		0.13	DL	0.42	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK112O** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	10.8		0.12	DL	0.40	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK113O** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	11.5		0.11	DL	0.38	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK114O** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	11.3		0.12	DL	0.41	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK115O** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	11.0		0.13	DL	0.43	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK116O** ***Collected:*** **3/28/2014 2:58:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	14.1		0.13	DL	0.43	LOQ	ng/g	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 1631** ***Matrix:*** **Tissue**

Sample ID: **MAK117O** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	9.30		0.13	DL	0.43	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK118O** ***Collected:*** **3/27/2014 8:50:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	14.6		0.12	DL	0.40	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK119O** ***Collected:*** **3/27/2014 9:20:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	15.8		0.12	DL	0.38	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK120O** ***Collected:*** **3/27/2014 11:23:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	12.8		0.13	DL	0.43	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.31	B	0.11	DL	0.38	LOQ	ng/g	UJ	Mb, Ms, Ms

Sample ID: **MAK121O** ***Collected:*** **3/27/2014 12:05:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	12.2		0.12	DL	0.40	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK122C** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.31	B	0.12	DL	0.41	LOQ	ng/g	UJ	Mb, Ms, Ms

Sample ID: **MAK122O** ***Collected:*** **3/27/2014 1:05:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	10.3		0.12	DL	0.38	LOQ	ng/g	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 1631** ***Matrix:*** **Tissue**

Sample ID: **MAK123C** ***Collected:*** **3/28/2014 2:06:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.14	B	0.12	DL	0.41	LOQ	ng/g	UJ	Mb, Ms, Ms

Sample ID: **MAK123O** ***Collected:*** **3/27/2014 3:08:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	18.6		0.12	DL	0.40	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK124C** ***Collected:*** **3/28/2014 3:20:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.40	B	0.12	DL	0.41	LOQ	ng/g	UJ	Mb, Ms, Ms

Sample ID: **MAK124O** ***Collected:*** **3/28/2014 12:25:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	13.0		0.12	DL	0.40	LOQ	ng/g	J	Ms, Ms

Sample ID: **MAK125C** ***Collected:*** **3/28/2014 3:30:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.42		0.12	DL	0.38	LOQ	ng/g	UJ	Mb, Ms, Ms

Sample ID: **MAK126C** ***Collected:*** **3/28/2014 3:47:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.49		0.13	DL	0.42	LOQ	ng/g	UJ	Mb, Ms, Ms

Sample ID: **MAK127C** ***Collected:*** **3/28/2014 4:10:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.49		0.13	DL	0.42	LOQ	ng/g	UJ	Mb, Ms, Ms

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.35	B	0.12	DL	0.39	LOQ	ng/g	UJ	Mb, Ms, Ms

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 1631** ***Matrix:*** **Tissue**

Method Category: **METALS**

Method: **EPA 1631** ***Matrix:*** **tissue**

Sample ID: **MAK134L** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	2.40		0.12	DL	0.38	LOQ	ng/g	U	Cb

Sample ID: **MAK135L** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	2.47		0.11	DL	0.37	LOQ	ng/g	U	Cb

Sample ID: **MAK138L** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	2.72		0.11	DL	0.36	LOQ	ng/g	U	Cb

Method Category: **METALS**

Method: **EPA 1632** ***Matrix:*** **Tissue**

Sample ID: **MAK110O** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Arsenic(V)	0.004	B	0.004	DL	0.010	LOQ	mg/kg	J	RI

Sample ID: **MAK111O** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIMETHYL ARSENIC	0.006	B	0.004	DL	0.010	LOQ	mg/kg	J	RI

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
INORGANIC ARSENIC	0.006	B	0.004	DL	0.010	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 1632** ***Matrix:*** **Tissue**

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Arsenic(V)	0.006	B	0.004	DL	0.010	LOQ	mg/kg	J	RI

Sample ID: **MAK122C** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Arsenic(III)	0.007	J,B	0.003	DL	0.008	LOQ	mg/kg	J	RI

Sample ID: **MAK123C** ***Collected:*** **3/28/2014 2:06:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIMETHYL ARSENIC	0.006	B	0.005	DL	0.011	LOQ	mg/kg	J	RI

Sample ID: **MAK123C** ***Collected:*** **3/28/2014 2:06:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Arsenic(III)	0.006	J,B	0.004	DL	0.010	LOQ	mg/kg	J	RI

Sample ID: **MAK123O** ***Collected:*** **3/27/2014 3:08:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIMETHYL ARSENIC	0.010	B	0.005	DL	0.012	LOQ	mg/kg	J	RI

Sample ID: **MAK124O** ***Collected:*** **3/28/2014 12:25:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIMETHYL ARSENIC	0.008	B	0.005	DL	0.011	LOQ	mg/kg	J	RI

Sample ID: **MAK125C** ***Collected:*** **3/28/2014 3:30:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIMETHYL ARSENIC	0.005	B	0.004	DL	0.011	LOQ	mg/kg	J	RI

Sample ID: **MAK126C** ***Collected:*** **3/28/2014 3:47:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Arsenic(III)	0.008	J,B	0.004	DL	0.009	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 1632** ***Matrix:*** **Tissue**

Sample ID: **MAK127C** ***Collected:*** **3/28/2014 4:10:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIMETHYL ARSENIC	0.006	B	0.005	DL	0.012	LOQ	mg/kg	J	Rl

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
Arsenic(III)	0.008	J,B	0.004	DL	0.010	LOQ	mg/kg	J	Rl

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **1**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MONOMETHYL ARSENIC	0.006	B	0.004	DL	0.011	LOQ	mg/kg	J	Rl

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK109O** ***Collected:*** **1/31/2014 10:45:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	40.0	M	0.09	DL	0.18	LOQ	mg/kg	J	Ld
ZINC	30.0	M	0.36	DL	0.91	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK109O** ***Collected:*** **1/31/2014 10:45:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.345	M	0.004	DL	0.039	LOQ	mg/kg	J	Ld

Sample ID: **MAK109O** ***Collected:*** **1/31/2014 10:45:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.023	B	0.016	DL	0.109	LOQ	mg/kg	J	Rl

Sample ID: **MAK109O** ***Collected:*** **1/31/2014 10:45:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.14	B	0.13	DL	0.73	LOQ	mg/kg	U	Cb

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK109O** ***Collected:*** **1/31/2014 10:45:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.17		0.06	DL	0.14	LOQ	mg/kg	U	Cb

Sample ID: **MAK110O** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.031	B	0.003	DL	0.035	LOQ	mg/kg	UJ	Ld, Cb

Sample ID: **MAK110O** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	7.36		0.10	DL	0.20	LOQ	mg/kg	J	Ld
ZINC	13.0		0.39	DL	0.98	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK110O** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial6** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.95		0.14	DL	0.78	LOQ	mg/kg	U	Cb
CADMIUM	0.008	B	0.007	DL	0.020	LOQ	mg/kg	J	Rl

Sample ID: **MAK110O** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.021	B	0.013	DL	0.110	LOQ	mg/kg	J	Rl

Sample ID: **MAK110O** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.22		0.06	DL	0.14	LOQ	mg/kg	U	Cb

Sample ID: **MAK111O** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.17		0.06	DL	0.14	LOQ	mg/kg	U	Cb

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK111O** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.778		0.004	DL	0.041	LOQ	mg/kg	J	Ld

Sample ID: **MAK111O** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1.08		0.13	DL	0.74	LOQ	mg/kg	U	Cb

Sample ID: **MAK111O** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.108	B	0.017	DL	0.110	LOQ	mg/kg	J	Rl

Sample ID: **MAK111O** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	15.3		0.09	DL	0.18	LOQ	mg/kg	J	Ld
ZINC	20.5		0.37	DL	0.92	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK112O** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	6.50		0.09	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	12.5		0.38	DL	0.94	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK112O** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.015	B	0.004	DL	0.039	LOQ	mg/kg	UJ	Ld, Cb

Sample ID: **MAK112O** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.16		0.06	DL	0.15	LOQ	mg/kg	U	Cb

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK112O** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.97		0.13	DL	0.75	LOQ	mg/kg	U	Cb
CADMIUM	0.017	B	0.007	DL	0.019	LOQ	mg/kg	J	Rl

Sample ID: **MAK113O** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.15		0.05	DL	0.13	LOQ	mg/kg	U	Cb

Sample ID: **MAK113O** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.061		0.004	DL	0.039	LOQ	mg/kg	J	Ld

Sample ID: **MAK113O** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.32	B	0.14	DL	0.79	LOQ	mg/kg	U	Cb
CADMIUM	0.008	B	0.007	DL	0.020	LOQ	mg/kg	J	Rl

Sample ID: **MAK113O** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	4.49		0.10	DL	0.20	LOQ	mg/kg	J	Ld
ZINC	13.5		0.40	DL	0.99	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK114O** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.15		0.05	DL	0.14	LOQ	mg/kg	U	Cb

Sample ID: **MAK114O** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.94		0.14	DL	0.79	LOQ	mg/kg	U	Cb
CADMIUM	0.010	B	0.007	DL	0.020	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK114O** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.034	B	0.004	DL	0.037	LOQ	mg/kg	UJ	Ld, Cb

Sample ID: **MAK114O** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	5.87		0.10	DL	0.20	LOQ	mg/kg	J	Ld
ZINC	13.5		0.39	DL	0.98	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK115O** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	7.06		0.09	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	13.2		0.37	DL	0.93	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK115O** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.140		0.003	DL	0.034	LOQ	mg/kg	J	Ld

Sample ID: **MAK115O** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.24		0.05	DL	0.13	LOQ	mg/kg	U	Cb

Sample ID: **MAK116O** ***Collected:*** **3/28/2014 2:58:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	6.64		0.09	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	13.6		0.37	DL	0.93	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK116O** ***Collected:*** **3/28/2014 2:58:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.19		0.06	DL	0.16	LOQ	mg/kg	U	Cb

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK116O** ***Collected:*** **3/28/2014 2:58:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.045		0.004	DL	0.040	LOQ	mg/kg	J	Ld

Sample ID: **MAK116O** ***Collected:*** **3/28/2014 2:58:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.21	B	0.13	DL	0.75	LOQ	mg/kg	U	Cb
CADMIUM	0.014	B	0.007	DL	0.019	LOQ	mg/kg	J	Rl

Sample ID: **MAK117O** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.21	B	0.13	DL	0.72	LOQ	mg/kg	U	Cb

Sample ID: **MAK117O** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	6.71		0.09	DL	0.18	LOQ	mg/kg	J	Ld
ZINC	12.3		0.36	DL	0.91	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK117O** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.017	B	0.016	DL	0.109	LOQ	mg/kg	J	Rl

Sample ID: **MAK117O** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.15	B	0.06	DL	0.15	LOQ	mg/kg	U	Cb

Sample ID: **MAK117O** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.062		0.004	DL	0.039	LOQ	mg/kg	J	Ld

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK118O** ***Collected:*** **3/27/2014 8:50:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.29		0.06	DL	0.14	LOQ	mg/kg	U	Cb

Sample ID: **MAK118O** ***Collected:*** **3/27/2014 8:50:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1.16		0.14	DL	0.80	LOQ	mg/kg	U	Cb

Sample ID: **MAK118O** ***Collected:*** **3/27/2014 8:50:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.046		0.003	DL	0.034	LOQ	mg/kg	J	Ld

Sample ID: **MAK118O** ***Collected:*** **3/27/2014 8:50:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	6.47		0.10	DL	0.20	LOQ	mg/kg	J	Ld
ZINC	13.1		0.40	DL	1.00	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK119O** ***Collected:*** **3/27/2014 9:20:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.14	B	0.06	DL	0.15	LOQ	mg/kg	U	Cb

Sample ID: **MAK119O** ***Collected:*** **3/27/2014 9:20:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.005	B	0.004	DL	0.039	LOQ	mg/kg	UJ	Ld, Cb

Sample ID: **MAK119O** ***Collected:*** **3/27/2014 9:20:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	6.43		0.10	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	13.3		0.38	DL	0.96	LOQ	mg/kg	J	Ld, Ms

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK119O** ***Collected:*** **3/27/2014 9:20:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.77	B	0.13	DL	0.77	LOQ	mg/kg	U	Cb
CADMIUM	0.013	B	0.007	DL	0.019	LOQ	mg/kg	J	Rl

Sample ID: **MAK120O** ***Collected:*** **3/27/2014 11:23:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	6.29		0.10	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	14.5		0.39	DL	0.97	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK120O** ***Collected:*** **3/27/2014 11:23:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.17		0.05	DL	0.14	LOQ	mg/kg	U	Cb

Sample ID: **MAK120O** ***Collected:*** **3/27/2014 11:23:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.56	B	0.14	DL	0.77	LOQ	mg/kg	U	Cb
CADMIUM	0.011	B	0.007	DL	0.019	LOQ	mg/kg	J	Rl

Sample ID: **MAK120O** ***Collected:*** **3/27/2014 11:23:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.030	B	0.003	DL	0.034	LOQ	mg/kg	UJ	Ld, Cb

Sample ID: **MAK120O** ***Collected:*** **3/27/2014 11:23:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.016	B	0.013	DL	0.108	LOQ	mg/kg	J	Rl

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	0.61	B	0.38	DL	0.96	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.046	B	0.017	DL	0.115	LOQ	mg/kg	J	Rl

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	9.34	M	0.08	DL	0.76	LOQ	mg/kg	J	Ld

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.039	B	0.013	DL	0.114	LOQ	mg/kg	J	Rl

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	0.04	B	0.03	DL	0.15	LOQ	mg/kg	J	Rl

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.28	B	0.13	DL	0.76	LOQ	mg/kg	U	Cb

Sample ID: **MAK121C** ***Collected:*** **3/28/2014 10:35:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.016	B	0.004	DL	0.040	LOQ	mg/kg	U	Cb

Sample ID: **MAK121O** ***Collected:*** **3/27/2014 12:05:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.047	B	0.017	DL	0.116	LOQ	mg/kg	J	Rl

Sample ID: **MAK121O** ***Collected:*** **3/27/2014 12:05:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.61	B	0.14	DL	0.77	LOQ	mg/kg	U	Cb

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK121O** ***Collected:*** **3/27/2014 12:05:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.28		0.06	DL	0.15	LOQ	mg/kg	U	Cb

Sample ID: **MAK121O** ***Collected:*** **3/27/2014 12:05:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.126		0.003	DL	0.034	LOQ	mg/kg	J	Ld

Sample ID: **MAK121O** ***Collected:*** **3/27/2014 12:05:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	4.39		0.10	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	13.1		0.39	DL	0.97	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK122C** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	0.12	B	0.03	DL	0.15	LOQ	mg/kg	J	Rl

Sample ID: **MAK122C** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.020	B	0.004	DL	0.038	LOQ	mg/kg	U	Cb

Sample ID: **MAK122C** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ZINC	0.83	B	0.38	DL	0.95	LOQ	mg/kg	J	Rl

Sample ID: **MAK122C** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	4.63		0.08	DL	0.78	LOQ	mg/kg	J	Ld

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK122C** ***Collected:*** **3/28/2014 1:01:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.035	B	0.014	DL	0.117	LOQ	mg/kg	J	Rl

Sample ID: **MAK122O** ***Collected:*** **3/27/2014 1:05:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.025	B	0.003	DL	0.033	LOQ	mg/kg	UJ	Ld, Cb

Sample ID: **MAK122O** ***Collected:*** **3/27/2014 1:05:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.16	B	0.06	DL	0.16	LOQ	mg/kg	U	Cb

Sample ID: **MAK122O** ***Collected:*** **3/27/2014 1:05:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	5.65		0.10	DL	0.20	LOQ	mg/kg	J	Ld
ZINC	13.3		0.39	DL	0.98	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK122O** ***Collected:*** **3/27/2014 1:05:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.43	B	0.14	DL	0.78	LOQ	mg/kg	U	Cb
CADMIUM	0.009	B	0.007	DL	0.020	LOQ	mg/kg	J	Rl

Sample ID: **MAK123C** ***Collected:*** **3/28/2014 2:06:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.044	B	0.014	DL	0.117	LOQ	mg/kg	J	Rl

Sample ID: **MAK123C** ***Collected:*** **3/28/2014 2:06:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	1.53		0.13	DL	0.74	LOQ	mg/kg	U	Cb

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK123C** ***Collected:*** **3/28/2014 2:06:00** ***Analysis Type:*** **Initial6** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	0.08	B	0.03	DL	0.15	LOQ	mg/kg	J	Rl

Sample ID: **MAK123C** ***Collected:*** **3/28/2014 2:06:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	7.10		0.08	DL	0.78	LOQ	mg/kg	J	Ld

Sample ID: **MAK123O** ***Collected:*** **3/27/2014 3:08:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.031	B	0.003	DL	0.034	LOQ	mg/kg	UJ	Ld, Cb

Sample ID: **MAK123O** ***Collected:*** **3/27/2014 3:08:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.025	B	0.017	DL	0.114	LOQ	mg/kg	J	Rl

Sample ID: **MAK123O** ***Collected:*** **3/27/2014 3:08:00** ***Analysis Type:*** **Initial6** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	5.77		0.09	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	11.5		0.38	DL	0.95	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK123O** ***Collected:*** **3/27/2014 3:08:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.15	B	0.13	DL	0.76	LOQ	mg/kg	U	Cb

Sample ID: **MAK123O** ***Collected:*** **3/27/2014 3:08:00** ***Analysis Type:*** **Initial9** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.14	B	0.06	DL	0.14	LOQ	mg/kg	U	Cb

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK124C** ***Collected:*** **3/28/2014 3:20:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.031	B	0.019	DL	0.152	LOQ	mg/kg	J	Rl
ZINC	0.70	B	0.38	DL	0.95	LOQ	mg/kg	J	Rl

Sample ID: **MAK124C** ***Collected:*** **3/28/2014 3:20:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	42.0		0.07	DL	0.73	LOQ	mg/kg	J	Ld

Sample ID: **MAK124O** ***Collected:*** **3/28/2014 12:25:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.051		0.004	DL	0.037	LOQ	mg/kg	J	Ld

Sample ID: **MAK124O** ***Collected:*** **3/28/2014 12:25:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.17		0.06	DL	0.14	LOQ	mg/kg	U	Cb

Sample ID: **MAK124O** ***Collected:*** **3/28/2014 12:25:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	0.18	B	0.13	DL	0.74	LOQ	mg/kg	U	Cb
CADMIUM	0.012	B	0.007	DL	0.019	LOQ	mg/kg	J	Rl

Sample ID: **MAK124O** ***Collected:*** **3/28/2014 12:25:00** ***Analysis Type:*** **Initial6** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	5.27		0.09	DL	0.19	LOQ	mg/kg	J	Ld
ZINC	13.2		0.37	DL	0.93	LOQ	mg/kg	J	Ld, Ms

Sample ID: **MAK125C** ***Collected:*** **3/28/2014 3:30:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.064	B	0.019	DL	0.152	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK125C** ***Collected:*** **3/28/2014 3:30:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	34.8		0.07	DL	0.72	LOQ	mg/kg	J	Ld

Sample ID: **MAK126C** ***Collected:*** **3/28/2014 3:47:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.044	B	0.019	DL	0.150	LOQ	mg/kg	J	Rl
ZINC	0.89	B	0.37	DL	0.94	LOQ	mg/kg	J	Rl

Sample ID: **MAK126C** ***Collected:*** **3/28/2014 3:47:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	62.8		0.08	DL	0.83	LOQ	mg/kg	J	Ld

Sample ID: **MAK127C** ***Collected:*** **3/28/2014 4:10:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.068	B	0.019	DL	0.155	LOQ	mg/kg	J	Rl

Sample ID: **MAK127C** ***Collected:*** **3/28/2014 4:10:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	46.3		0.09	DL	0.91	LOQ	mg/kg	J	Ld

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	0.031	B	0.004	DL	0.037	LOQ	mg/kg	U	Cb

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	0.14	B	0.03	DL	0.15	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **Tissue**

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.019	B	0.018	DL	0.147	LOQ	mg/kg	J	RI
ZINC	0.62	B	0.37	DL	0.92	LOQ	mg/kg	J	RI

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial6** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	10.0		0.08	DL	0.76	LOQ	mg/kg	J	Ld

Sample ID: **MAK128C** ***Collected:*** **3/28/2014 4:43:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
VANADIUM	0.040	B	0.013	DL	0.113	LOQ	mg/kg	J	RI

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **tissue**

Sample ID: **MAK130L** ***Collected:*** **3/27/2014 8:20:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.009	B	0.007	DL	0.020	LOQ	mg/kg	J	RI

Sample ID: **MAK130L** ***Collected:*** **3/27/2014 8:20:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.128	B	0.020	DL	0.159	LOQ	mg/kg	J	RI
ZINC	0.88	B	0.40	DL	0.99	LOQ	mg/kg	J	RI

Sample ID: **MAK130L** ***Collected:*** **3/27/2014 8:20:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.005	B	0.002	DL	0.008	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **tissue**

Sample ID: **MAK130L** ***Collected:*** **3/27/2014 8:20:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	5.39		0.03	DL	0.16	LOQ	mg/kg	J	Ms

Sample ID: **MAK130L** ***Collected:*** **3/27/2014 8:20:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.11	B	0.06	DL	0.14	LOQ	mg/kg	J	Rl

Sample ID: **MAK132L** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.12	B	0.06	DL	0.15	LOQ	mg/kg	J	Rl

Sample ID: **MAK132L** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial3** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	2.22		0.03	DL	0.16	LOQ	mg/kg	J	Ms

Sample ID: **MAK132L** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.006	B	0.002	DL	0.007	LOQ	mg/kg	J	Rl

Sample ID: **MAK132L** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.009	B	0.007	DL	0.020	LOQ	mg/kg	J	Rl

Sample ID: **MAK132L** ***Collected:*** **3/28/2014 8:38:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.089	B	0.020	DL	0.159	LOQ	mg/kg	J	Rl
ZINC	0.83	B	0.40	DL	0.99	LOQ	mg/kg	J	Rl

* denotes a non-reportable result

Project Name and Number: ARDL / Makau Military Reservation - ARD-MV1302

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **tissue**

Sample ID: **MAK134L** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial10** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	1.17		0.03	DL	0.16	LOQ	mg/kg	J	Ms

Sample ID: **MAK134L** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.10	B	0.05	DL	0.13	LOQ	mg/kg	J	RI

Sample ID: **MAK134L** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.065	B	0.020	DL	0.157	LOQ	mg/kg	J	RI
ZINC	0.60	B	0.39	DL	0.98	LOQ	mg/kg	J	RI

Sample ID: **MAK134L** ***Collected:*** **3/28/2014 9:20:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.005	B	0.002	DL	0.007	LOQ	mg/kg	J	RI

Sample ID: **MAK135L** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.005	B	0.002	DL	0.009	LOQ	mg/kg	J	RI

Sample ID: **MAK135L** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial2** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.11	B	0.06	DL	0.15	LOQ	mg/kg	J	RI

Sample ID: **MAK135L** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial4** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.055	B	0.019	DL	0.154	LOQ	mg/kg	J	RI
ZINC	0.65	B	0.39	DL	0.97	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Method Category: **METALS**

Method: **EPA 200.8** ***Matrix:*** **tissue**

Sample ID: **MAK135L** ***Collected:*** **3/28/2014 10:00:00** ***Analysis Type:*** **Initial7** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	1.03		0.03	DL	0.15	LOQ	mg/kg	J	Ms

Sample ID: **MAK138L** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial1** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.010	B	0.007	DL	0.019	LOQ	mg/kg	J	RI

Sample ID: **MAK138L** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial5** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SELENIUM	0.11	B	0.06	DL	0.15	LOQ	mg/kg	J	RI

Sample ID: **MAK138L** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial6** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BARIUM	4.73		0.03	DL	0.15	LOQ	mg/kg	J	Ms

Sample ID: **MAK138L** ***Collected:*** **3/28/2014 11:32:00** ***Analysis Type:*** **Initial8** ***Dilution:*** **10**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
THALLIUM	0.006	B	0.002	DL	0.008	LOQ	mg/kg	J	RI

* denotes a non-reportable result

Data Qualifier Summary

Lab Reporting Batch ID: 1418004 **Laboratory: BRL**

EDD Filename: 1418004 SEDD EDD rev2 **eQAPP Name: GSIPacific_MakuaMilitaryRes_052014**

Reason Code Legend

Reason Code	*Description*
Cb	Calibration Blank Contamination
Lcs	Laboratory Control Spike Lower Estimation
Ld	Laboratory Duplicate Precision
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Lower Rejection
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
Rl	Reporting Limit Trace Value

* denotes a non-reportable result