

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Langan Engineering and Environmental Sei</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3310</u>
Contract:	<u>LANG01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3315-03</u>	Client ID:	<u>72-11989DUP</u>
Percent Solids for Sample:	96.2	Duplicate ID	Q3315-03DUP	Percent Solids for Spike Sample:	96.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.074		0.068		8		CV

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DUPLICATE SAMPLE SUMMARY

Client:	<u>Langan Engineering and Environmental Sei</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3310</u>
Contract:	<u>LANG01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3315-03MS</u>	Client ID:	<u>72-11989MSD</u>
Percent Solids for Sample:	96.2	Duplicate ID	Q3315-03MSD	Percent Solids for Spike Sample:	96.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.38		0.47		20		CV

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DUPLICATE SAMPLE SUMMARY

Client: Langan Engineering and Environmental Sei **Level:** LOW **SDG No.:** Q3310
Contract: LANG01 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3322-01 **Client ID:** OR-02-100925DUP
Percent Solids for Sample: 93 **Duplicate ID** Q3322-01DUP **Percent Solids for Spike Sample:** 93

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8280		8360		1		P
Antimony	mg/Kg	20	2.40	U	2.40	U			P
Arsenic	mg/Kg	20	2.89		2.99		3		P
Barium	mg/Kg	20	35.7		35.5		1		P
Beryllium	mg/Kg	20	0.52		0.52		1		P
Cadmium	mg/Kg	20	0.46		0.49		7		P
Calcium	mg/Kg	20	3470		3420		1		P
Chromium	mg/Kg	20	9.23		9.72		5		P
Cobalt	mg/Kg	20	7.47		7.76		4		P
Copper	mg/Kg	20	14.9		15.4		3		P
Iron	mg/Kg	20	14000		14600		4		P
Lead	mg/Kg	20	23.3		24.3		4		P
Magnesium	mg/Kg	20	3290		3310		1		P
Manganese	mg/Kg	20	238		233		2		P
Nickel	mg/Kg	20	12.3		12.7		3		P
Potassium	mg/Kg	20	636		682		7		P
Selenium	mg/Kg	20	0.96	U	0.96	U			P
Silver	mg/Kg	20	0.24	J	0.28	J	13		P
Sodium	mg/Kg	20	414		436		5		P
Thallium	mg/Kg	20	1.92	U	1.92	U			P
Vanadium	mg/Kg	20	25.1		25.2		0		P
Zinc	mg/Kg	20	34.6		35.1		1		P

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DUPLICATE SAMPLE SUMMARY

Client: Langan Engineering and Environmental Sei **Level:** LOW **SDG No.:** Q3310
Contract: LANG01 **Lab Code:** ACE
Matrix: Solid **Sample ID:** Q3322-01MS **Client ID:** OR-02-100925MSD
Percent Solids for Sample: 93 **Duplicate ID** Q3322-01MSD **Percent Solids for Spike Sample:** 93

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8120		8270		2		P
Antimony	mg/Kg	20	15.7		19.0		19		P
Arsenic	mg/Kg	20	33.9		34.4		1		P
Barium	mg/Kg	20	43.6		43.9		1		P
Beryllium	mg/Kg	20	8.31		7.95		4		P
Cadmium	mg/Kg	20	9.62		9.49		1		P
Calcium	mg/Kg	20	5130		4310		17		P
Chromium	mg/Kg	20	26.3		26.9		2		P
Cobalt	mg/Kg	20	17.2		16.8		2		P
Copper	mg/Kg	20	25.4		24.8		2		P
Iron	mg/Kg	20	14600		15100		3		P
Lead	mg/Kg	20	77.8		71.7		8		P
Magnesium	mg/Kg	20	3850		3690		4		P
Manganese	mg/Kg	20	227		223		2		P
Nickel	mg/Kg	20	36.1		35.7		1		P
Potassium	mg/Kg	20	1230		1250		2		P
Selenium	mg/Kg	20	71.2		72.5		2		P
Silver	mg/Kg	20	3.54		3.86		9		P
Sodium	mg/Kg	20	562		591		5		P
Thallium	mg/Kg	20	80.6		82.2		2		P
Vanadium	mg/Kg	20	35.8		36.1		1		P
Zinc	mg/Kg	20	43.1		41.8		3		P