

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2303
contract: PORT06 **lab code:** CHEM **case no.:** Q2303 **sas no.:** Q2303
matrix: Solid **sample id:** Q2303-02 **client id:** B-170-SB03MS
Percent Solids for Sample: 92.7 **Spiked ID:** Q2303-02MS **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	1.16	D	0.90	D	0.28	91		CV

metals

- 5a -

MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2303
contract: PORT06 **lab code:** CHEM **case no.:** Q2303 **sas no.:** Q2303
matrix: Solid **sample id:** Q2303-02 **client id:** B-170-SB03MSD
Percent Solids for Sample: 92.7 **Spiked ID:** Q2303-02MSD **Percent Solids for Spike Sample:** 92.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	1.17	D	0.90	D	0.28	95		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2303
contract: PORT06 **lab code:** CHEM **case no.:** Q2303 **sas no.:** Q2303
matrix: Solid **sample id:** Q2310-01 **client id:** TP-7MS
Percent Solids for Sample: 88.7 **Spiked ID:** Q2310-01MS **Percent Solids for Spike Sample:** 88.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5700		5180		100	518		P
Antimony	mg/Kg	75 - 125	16.5		0.94	J	40.1	39	N	P
Arsenic	mg/Kg	75 - 125	43.3		3.11		40.1	100		P
Barium	mg/Kg	75 - 125	50.8		40.7		10.0	101		P
Beryllium	mg/Kg	75 - 125	8.36		0.53		10.0	78		P
Cadmium	mg/Kg	75 - 125	10.3		0.30	U	10.0	102		P
Calcium	mg/Kg	75 - 125	2150		1790		50.1	721		P
Chromium	mg/Kg	75 - 125	25.9		10.5		20.0	77		P
Cobalt	mg/Kg	75 - 125	18.4		7.73		10.0	107		P
Copper	mg/Kg	75 - 125	57.8		36.3		15.0	143	N	P
Iron	mg/Kg	75 - 125	11800		11700		150	69		P
Lead	mg/Kg	75 - 125	64.3		14.3		50.1	100		P
Magnesium	mg/Kg	75 - 125	3110		2850		100	265		P
Manganese	mg/Kg	75 - 125	392		378		10.0	140		P
Nickel	mg/Kg	75 - 125	40.7		14.1		25.1	106		P
Potassium	mg/Kg	75 - 125	1390		957		500	87		P
Selenium	mg/Kg	75 - 125	70.3		1.61		100	69	N	P
Silver	mg/Kg	75 - 125	3.35		0.50		3.8	76		P
Sodium	mg/Kg	75 - 125	792		699		150	62		P
Thallium	mg/Kg	75 - 125	101		1.99	U	100	101		P
Vanadium	mg/Kg	75 - 125	27.2		15.8		15.0	76		P
Zinc	mg/Kg	75 - 125	43.2		33.4		10.0	98		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2303
contract: PORT06 **lab code:** CHEM **case no.:** Q2303 **sas no.:** Q2303
matrix: Solid **sample id:** Q2310-01 **client id:** TP-7MSD
Percent Solids for Sample: 88.7 **Spiked ID:** Q2310-01MSD **Percent Solids for Spike Sample:** 88.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5200		5180		95.9	16		P
Antimony	mg/Kg	75 - 125	15.4		0.94	J	38.4	38	N	P
Arsenic	mg/Kg	75 - 125	40.4		3.11		38.4	97		P
Barium	mg/Kg	75 - 125	46.4		40.7		9.6	59		P
Beryllium	mg/Kg	75 - 125	7.76		0.53		9.6	75		P
Cadmium	mg/Kg	75 - 125	9.54		0.30	U	9.6	99		P
Calcium	mg/Kg	75 - 125	2090		1790		48.0	627		P
Chromium	mg/Kg	75 - 125	24.0		10.5		19.2	70	N	P
Cobalt	mg/Kg	75 - 125	17.0		7.73		9.6	97		P
Copper	mg/Kg	75 - 125	49.4		36.3		14.4	91		P
Iron	mg/Kg	75 - 125	10900		11700		140	-553		P
Lead	mg/Kg	75 - 125	59.1		14.3		48.0	94		P
Magnesium	mg/Kg	75 - 125	2760		2850		95.9	-88		P
Manganese	mg/Kg	75 - 125	331		378		9.6	-498		P
Nickel	mg/Kg	75 - 125	37.6		14.1		24.0	98		P
Potassium	mg/Kg	75 - 125	1270		957		480	65	N	P
Selenium	mg/Kg	75 - 125	65.1		1.61		95.9	66	N	P
Silver	mg/Kg	75 - 125	3.16		0.50		3.6	74	N	P
Sodium	mg/Kg	75 - 125	738		699		140	28		P
Thallium	mg/Kg	75 - 125	94.5		1.99	U	95.9	98		P
Vanadium	mg/Kg	75 - 125	25.4		15.8		14.4	67	N	P
Zinc	mg/Kg	75 - 125	39.0		33.4		9.6	58	N	P