

metals
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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture	level: low	sdg no.: Q2934
contract: PORT06		lab code: ACE
matrix: Water	sample id: Q2934-02	client id: ENV-SW02MS
Percent Solids for Sample: NA	Spiked ID: Q2934-02MS	Percent Solids for Spike Sample: NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1210		182		1000	102		P
Antimony	ug/L	75 - 125	412		6.48	J	400	101		P
Arsenic	ug/L	75 - 125	406		4.50	J	400	100		P
Barium	ug/L	75 - 125	273		169		100	104		P
Beryllium	ug/L	75 - 125	101		3.00	U	100	101		P
Cadmium	ug/L	75 - 125	98.2		3.00	U	100	98		P
Calcium	ug/L	75 - 125	37700		37200		500	113		P
Chromium	ug/L	75 - 125	213		2.47	J	200	105		P
Cobalt	ug/L	75 - 125	101		15.0	U	100	101		P
Copper	ug/L	75 - 125	160		9.63	J	150	100		P
Iron	ug/L	75 - 125	3830		2360		1500	99		P
Lead	ug/L	75 - 125	485		16.5		500	94		P
Magnesium	ug/L	75 - 125	14500		13500		1000	103		P
Manganese	ug/L	75 - 125	570		467		100	103		P
Nickel	ug/L	75 - 125	257		7.09	J	250	100		P
Potassium	ug/L	75 - 125	28000		23300		5000	94		P
Selenium	ug/L	75 - 125	973		10.0	U	1000	97		P
Silver	ug/L	75 - 125	15.6		5.00	U	37.5	42	N	P
Sodium	ug/L	75 - 125	54400		52600		1500	123		P
Thallium	ug/L	75 - 125	836		20.0	U	1000	84		P
Vanadium	ug/L	75 - 125	163		5.44	J	150	105		P
Zinc	ug/L	75 - 125	120		14.9	J	100	105		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q2934</u>
contract: <u>PORT06</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2934-02</u>	client id: <u>ENV-SW02MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2934-02MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	1120		182		1000	94		P
Antimony	ug/L	75 - 125	393		6.48	J	400	97		P
Arsenic	ug/L	75 - 125	386		4.50	J	400	95		P
Barium	ug/L	75 - 125	257		169		100	89		P
Beryllium	ug/L	75 - 125	94.0		3.00	U	100	94		P
Cadmium	ug/L	75 - 125	92.8		3.00	U	100	93		P
Calcium	ug/L	75 - 125	36100		37200		500	-214		P
Chromium	ug/L	75 - 125	201		2.47	J	200	99		P
Cobalt	ug/L	75 - 125	95.3		15.0	U	100	95		P
Copper	ug/L	75 - 125	151		9.63	J	150	94		P
Iron	ug/L	75 - 125	3710		2360		1500	90		P
Lead	ug/L	75 - 125	460		16.5		500	89		P
Magnesium	ug/L	75 - 125	13900		13500		1000	38		P
Manganese	ug/L	75 - 125	544		467		100	77		P
Nickel	ug/L	75 - 125	243		7.09	J	250	94		P
Potassium	ug/L	75 - 125	26900		23300		5000	73		P
Selenium	ug/L	75 - 125	927		10.0	U	1000	93		P
Silver	ug/L	75 - 125	21.9		5.00	U	37.5	58	N	P
Sodium	ug/L	75 - 125	52000		52600		1500	-37		P
Thallium	ug/L	75 - 125	795		20.0	U	1000	80		P
Vanadium	ug/L	75 - 125	152		5.44	J	150	98		P
Zinc	ug/L	75 - 125	113		14.9	J	100	98		P

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MATRIX SPIKE SUMMARY

client: Portal Partners Tri-Venture **level:** low **sdg no.:** Q2934
contract: PORT06 **lab code:** ACE
matrix: Water **sample id:** Q2940-01 **client id:** COMP(1-6)MS
Percent Solids for Sample: NA **Spiked ID:** Q2940-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.19		0.20	U	4.0	105		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Portal Partners Tri-Venture</u>	level: <u>low</u>	sdg no.: <u>Q2934</u>
contract: <u>PORT06</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q2940-01</u>	client id: <u>COMP(1-6)MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q2940-01MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	4.21		0.20	U	4.0	105		CV