

metals
- 5a -
MATRIX SPIKE SUMMARY

client: New York City DEP of Environmental Prot **level:** low **sdg no.:** P4997
contract: NEWY17 **lab code:** CHEM **case no.:** P4997 **sas no.:** P4997
matrix: Water **sample id:** P5018-07 **client id:** 14B-(1-4)-COMPMS
Percent Solids for Sample: NA **Spiked ID:** P5018-07MS **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	717000		698000		1000	1910		P
Antimony	ug/L	75 - 125	347		25.0	U	400	87		P
Arsenic	ug/L	75 - 125	454		54.4		400	100		P
Barium	ug/L	75 - 125	661		543		100	118		P
Beryllium	ug/L	75 - 125	102		3.00	U	100	102		P
Cadmium	ug/L	75 - 125	99.0		2.25	J	100	97		P
Calcium	ug/L	75 - 125	37000		35400		500	315		P
Chromium	ug/L	75 - 125	205		17.8		200	93		P
Cobalt	ug/L	75 - 125	103		6.13	J	100	97		P
Copper	ug/L	75 - 125	580		465		150	77		P
Iron	ug/L	75 - 125	22300		23500		1500	-83		P
Lead	ug/L	75 - 125	458		17.2		500	88		P
Magnesium	ug/L	75 - 125	9600		8520		1000	108		P
Manganese	ug/L	75 - 125	16800		17600		100	-779		P
Mercury	ug/L	75 - 125	3.49		0.53		4.0	74	N	CV
Nickel	ug/L	75 - 125	258		18.3	J	250	96		P
Potassium	ug/L	75 - 125	9010		3270		5000	115		P
Selenium	ug/L	75 - 125	1020		9.57	J	1000	101		P
Silver	ug/L	75 - 125	43.7		2.13	J	37.5	111		P
Sodium	ug/L	75 - 125	38200		36300		1500	131		P
Thallium	ug/L	75 - 125	826		20.0	U	1000	83		P
Vanadium	ug/L	75 - 125	171		24.5		150	98		P
Zinc	ug/L	75 - 125	232		127		100	105		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: New York City DEP of Environmental Prot **level:** low **sdg no.:** P4997
contract: NEWY17 **lab code:** CHEM **case no.:** P4997 **sas no.:** P4997
matrix: Water **sample id:** P5018-07 **client id:** 14B-(1-4)-COMPMSD
Percent Solids for Sample: NA **Spiked ID:** P5018-07MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	712000		698000		1000	1428		P
Antimony	ug/L	75 - 125	344		25.0	U	400	86		P
Arsenic	ug/L	75 - 125	449		54.4		400	99		P
Barium	ug/L	75 - 125	646		543		100	103		P
Beryllium	ug/L	75 - 125	102		3.00	U	100	102		P
Cadmium	ug/L	75 - 125	97.6		2.25	J	100	95		P
Calcium	ug/L	75 - 125	36500		35400		500	224		P
Chromium	ug/L	75 - 125	204		17.8		200	93		P
Cobalt	ug/L	75 - 125	102		6.13	J	100	95		P
Copper	ug/L	75 - 125	573		465		150	72	N	P
Iron	ug/L	75 - 125	21800		23500		1500	-117		P
Lead	ug/L	75 - 125	451		17.2		500	87		P
Magnesium	ug/L	75 - 125	9520		8520		1000	99		P
Manganese	ug/L	75 - 125	16600		17600		100	-1054		P
Mercury	ug/L	75 - 125	3.62		0.53		4.0	77		CV
Nickel	ug/L	75 - 125	253		18.3	J	250	94		P
Potassium	ug/L	75 - 125	8840		3270		5000	111		P
Selenium	ug/L	75 - 125	1020		9.57	J	1000	101		P
Silver	ug/L	75 - 125	43.3		2.13	J	37.5	110		P
Sodium	ug/L	75 - 125	37200		36300		1500	60		P
Thallium	ug/L	75 - 125	802		20.0	U	1000	80		P
Vanadium	ug/L	75 - 125	169		24.5		150	96		P
Zinc	ug/L	75 - 125	230		127		100	103		P