

metals
- 5a -
MATRIX SPIKE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q2592
contract: PARS02 **lab code:** ACE
matrix: Solid **sample id:** Q2590-01 **client id:** NB-07-071125MS

Percent Solids for Sample: 96.6 **Spiked ID:** Q2590-01MS **Percent Solids for Spike Sample:** 96.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5140		4310		95.0	865		P
Antimony	mg/Kg	75 - 125	17.0		1.19	J	38.0	42	N	P
Arsenic	mg/Kg	75 - 125	38.5		1.94		38.0	96		P
Barium	mg/Kg	75 - 125	53.1		45.5		9.5	80		P
Beryllium	mg/Kg	75 - 125	9.16		0.34		9.5	93		P
Cadmium	mg/Kg	75 - 125	9.77		0.25	U	9.5	103		P
Calcium	mg/Kg	75 - 125	2060		2640		47.5	-1218		P
Chromium	mg/Kg	75 - 125	30.4		14.4		19.0	84		P
Cobalt	mg/Kg	75 - 125	16.0		5.95		9.5	106		P
Copper	mg/Kg	75 - 125	37.9		34.9		14.2	21	N	P
Iron	mg/Kg	75 - 125	10500		9610		140	632		P
Lead	mg/Kg	75 - 125	65.6		16.4		47.5	104		P
Magnesium	mg/Kg	75 - 125	3000		3040		95.0	-41		P
Manganese	mg/Kg	75 - 125	227		191		9.5	377		P
Mercury	mg/Kg	80 - 120	0.18		0.027		0.25	61	N	CV
Nickel	mg/Kg	75 - 125	35.7		10.2		23.7	107		P
Potassium	mg/Kg	75 - 125	1600		1210		470	81		P
Selenium	mg/Kg	75 - 125	77.9		2.37		95.0	80		P
Silver	mg/Kg	75 - 125	1.43		0.42	U	3.6	40	N	P
Sodium	mg/Kg	75 - 125	252		110		140	99		P
Thallium	mg/Kg	75 - 125	92.1		1.67	U	95.0	97		P
Vanadium	mg/Kg	75 - 125	28.6		15.1		14.2	95		P
Zinc	mg/Kg	75 - 125	39.1		26.8		9.5	130	N	P

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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q2592
contract: PARS02 **lab code:** ACE
matrix: Solid **sample id:** Q2590-01 **client id:** NB-07-071125MSD

Percent Solids for Sample: 96.6 **Spiked ID:** Q2590-01MSD **Percent Solids for Spike Sample:** 96.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5010		4310		95.9	723		P
Antimony	mg/Kg	75 - 125	16.5		1.19	J	38.3	40	N	P
Arsenic	mg/Kg	75 - 125	38.7		1.94		38.3	96		P
Barium	mg/Kg	75 - 125	52.6		45.5		9.6	74		P
Beryllium	mg/Kg	75 - 125	9.04		0.34		9.6	91		P
Cadmium	mg/Kg	75 - 125	9.80		0.25	U	9.6	102		P
Calcium	mg/Kg	75 - 125	1900		2640		47.9	-1544		P
Chromium	mg/Kg	75 - 125	29.7		14.4		19.2	80		P
Cobalt	mg/Kg	75 - 125	16.0		5.95		9.6	105		P
Copper	mg/Kg	75 - 125	40.8		34.9		14.4	41	N	P
Iron	mg/Kg	75 - 125	10300		9610		140	476		P
Lead	mg/Kg	75 - 125	65.0		16.4		47.9	102		P
Magnesium	mg/Kg	75 - 125	2910		3040		95.9	-140		P
Manganese	mg/Kg	75 - 125	218		191		9.6	280		P
Mercury	mg/Kg	80 - 120	0.20		0.027		0.26	68	N	CV
Nickel	mg/Kg	75 - 125	35.5		10.2		24.0	105		P
Potassium	mg/Kg	75 - 125	1650		1210		480	91		P
Selenium	mg/Kg	75 - 125	77.4		2.37		95.9	78		P
Silver	mg/Kg	75 - 125	1.39		0.42	U	3.6	39	N	P
Sodium	mg/Kg	75 - 125	246		110		140	95		P
Thallium	mg/Kg	75 - 125	92.4		1.67	U	95.9	96		P
Vanadium	mg/Kg	75 - 125	28.7		15.1		14.4	95		P
Zinc	mg/Kg	75 - 125	38.2		26.8		9.6	119		P