

metals
- 5a -
MATRIX SPIKE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q1739
contract: PARS02 **lab code:** CHEM **case no.:** Q1739 **sas no.:** Q1739
matrix: Water **sample id:** Q1715-01 **client id:** WATER TREATMENT DISCHARGEMS
Percent Solids for Sample: NA **Spiked ID:** Q1715-01MS **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	8870		8180		1000	69		P
Antimony	ug/L	75 - 125	281		25.0	U	400	70	N	P
Arsenic	ug/L	75 - 125	368		10.0	U	400	92		P
Barium	ug/L	75 - 125	72.8		50.0	U	100	73	N	P
Beryllium	ug/L	75 - 125	70.8		3.00	U	100	71	N	P
Cadmium	ug/L	75 - 125	85.5		3.00	U	100	86		P
Calcium	ug/L	75 - 125	5390		5090		500	61		P
Chromium	ug/L	75 - 125	619		465		200	77		P
Cobalt	ug/L	75 - 125	90.5		5.16	J	100	85		P
Copper	ug/L	75 - 125	130		10.5		150	80		P
Iron	ug/L	75 - 125	1670		263		1500	94		P
Lead	ug/L	75 - 125	392		6.00	U	500	78		P
Magnesium	ug/L	75 - 125	1820		1100		1000	72	N	P
Manganese	ug/L	75 - 125	85.8		6.06	J	100	80		P
Nickel	ug/L	75 - 125	231		18.3	J	250	85		P
Potassium	ug/L	75 - 125	100000		95400		5000	98		P
Selenium	ug/L	75 - 125	966		10.0	U	1000	97		P
Silver	ug/L	75 - 125	35.2		5.00	U	37.5	94		P
Sodium	ug/L	75 - 125	948000		931000		1500	1170		P
Thallium	ug/L	75 - 125	766		20.0	U	1000	77		P
Vanadium	ug/L	75 - 125	120		20.0	U	150	80		P
Zinc	ug/L	75 - 125	684		612		100	72		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q1739
contract: PARS02 **lab code:** CHEM **case no.:** Q1739 **sas no.:** Q1739
matrix: Water **sample id:** Q1715-01 **client id:** WATER TREATMENT DISCHARGEMSD
Percent Solids for Sample: NA **Spiked ID:** Q1715-01MSD **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	8820		8180		1000	64		P
Antimony	ug/L	75 - 125	276		25.0	U	400	69	N	P
Arsenic	ug/L	75 - 125	363		10.0	U	400	91		P
Barium	ug/L	75 - 125	74.0		50.0	U	100	74	N	P
Beryllium	ug/L	75 - 125	73.1		3.00	U	100	73	N	P
Cadmium	ug/L	75 - 125	85.3		3.00	U	100	85		P
Calcium	ug/L	75 - 125	5410		5090		500	63		P
Chromium	ug/L	75 - 125	620		465		200	78		P
Cobalt	ug/L	75 - 125	90.4		5.16	J	100	85		P
Copper	ug/L	75 - 125	129		10.5		150	79		P
Iron	ug/L	75 - 125	1670		263		1500	94		P
Lead	ug/L	75 - 125	392		6.00	U	500	78		P
Magnesium	ug/L	75 - 125	1830		1100		1000	73	N	P
Manganese	ug/L	75 - 125	85.8		6.06	J	100	80		P
Nickel	ug/L	75 - 125	231		18.3	J	250	85		P
Potassium	ug/L	75 - 125	98900		95400		5000	70		P
Selenium	ug/L	75 - 125	952		10.0	U	1000	95		P
Silver	ug/L	75 - 125	35.2		5.00	U	37.5	94		P
Sodium	ug/L	75 - 125	932000		931000		1500	40		P
Thallium	ug/L	75 - 125	756		20.0	U	1000	76		P
Vanadium	ug/L	75 - 125	121		20.0	U	150	81		P
Zinc	ug/L	75 - 125	683		612		100	71		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q1739
contract: PARS02 **lab code:** CHEM **case no.:** Q1739 **sas no.:** Q1739
matrix: Water **sample id:** Q1746-05 **client id:** B-158-GW01MS
Percent Solids for Sample: NA **Spiked ID:** Q1746-05MS **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	82 - 119	2.22		0.20	J	4.0	51	N	CV

metals

- 5a -

MATRIX SPIKE DUPLICATE SUMMARY

client: PARSONS Engineering of New York, Inc. **level:** low **sdg no.:** Q1739
contract: PARS02 **lab code:** CHEM **case no.:** Q1739 **sas no.:** Q1739
matrix: Water **sample id:** Q1746-05 **client id:** B-158-GW01MSD
Percent Solids for Sample: NA **Spiked ID:** Q1746-05MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	82 - 119	2.16		0.20	J	4.0	49	N	CV