

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tully Construction Co., Inc. **level:** low **sdg no.:** P4595
contract: TULL02 **lab code:** CHEM **case no.:** P4595 **sas no.:** P4595
matrix: Solid **sample id:** P4574-01 **client id:** GRAVEL-1MS
Percent Solids for Sample: 100 **Spiked ID:** P4574-01MS **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.28		0.013	U	0.27	102		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>Tully Construction Co., Inc.</u>	level:	<u>low</u>	sdg no.:	<u>P4595</u>		
contract:	<u>TULL02</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4595</u>	sas no.:	<u>P4595</u>
matrix:	<u>Solid</u>	sample id:	<u>P4574-01</u>	client id:	<u>GRAVEL-1MSD</u>		
Percent Solids for Sample:	100	Spiked ID:	<u>P4574-01MSD</u>	Percent Solids for Spike Sample:	100		

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.013	U	0.26	103		CV

metals
- 5a -
MATRIX SPIKE SUMMARY

client: Tully Construction Co., Inc. **level:** low **sdg no.:** P4595
contract: TULL02 **lab code:** CHEM **case no.:** P4595 **sas no.:** P4595
matrix: Solid **sample id:** P4598-09 **client id:** TP-8MS
Percent Solids for Sample: 91.2 **Spiked ID:** P4598-09MS **Percent Solids for Spike Sample:** 91.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5560		4430		110	1030		P
Antimony	mg/Kg	75 - 125	27.5		0.29	J	42.4	64	N	P
Arsenic	mg/Kg	75 - 125	37.9		2.61		42.4	83		P
Barium	mg/Kg	75 - 125	71.0		56.8		10.6	134		P
Beryllium	mg/Kg	75 - 125	9.61		0.44		10.6	87		P
Cadmium	mg/Kg	75 - 125	11.0		0.77		10.6	96		P
Calcium	mg/Kg	75 - 125	10200		8520		53.0	3207		P
Chromium	mg/Kg	75 - 125	28.3		12.1		21.2	76		P
Cobalt	mg/Kg	75 - 125	18.5		6.32		10.6	115		P
Copper	mg/Kg	75 - 125	98.3		56.2		15.9	265	N	P
Iron	mg/Kg	75 - 125	14800		12300		160	1540		P
Lead	mg/Kg	75 - 125	106		43.8		53.0	118		P
Magnesium	mg/Kg	75 - 125	3800		2520		110	1164		P
Manganese	mg/Kg	75 - 125	307		269		10.6	358		P
Nickel	mg/Kg	75 - 125	44.4		13.9		26.5	115		P
Potassium	mg/Kg	75 - 125	1600		989		530	115		P
Selenium	mg/Kg	75 - 125	81.4		1.04	U	110	74	N	P
Silver	mg/Kg	75 - 125	3.83		0.23	J	4.0	90		P
Sodium	mg/Kg	75 - 125	1110		748		160	225		P
Thallium	mg/Kg	75 - 125	97.2		2.09	U	110	88		P
Vanadium	mg/Kg	75 - 125	36.9		18.7		15.9	114		P
Zinc	mg/Kg	75 - 125	94.9		46.2		10.6	460		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Tully Construction Co., Inc. **level:** low **sdg no.:** P4595
contract: TULL02 **lab code:** CHEM **case no.:** P4595 **sas no.:** P4595
matrix: Solid **sample id:** P4598-09 **client id:** TP-8MSD
Percent Solids for Sample: 91.2 **Spiked ID:** P4598-09MSD **Percent Solids for Spike Sample:** 91.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	5210		4430		100	780		P
Antimony	mg/Kg	75 - 125	25.7		0.29	J	40.2	63	N	P
Arsenic	mg/Kg	75 - 125	35.6		2.61		40.2	82		P
Barium	mg/Kg	75 - 125	66.6		56.8		10.1	96		P
Beryllium	mg/Kg	75 - 125	8.87		0.44		10.1	83		P
Cadmium	mg/Kg	75 - 125	10.2		0.77		10.1	93		P
Calcium	mg/Kg	75 - 125	9540		8520		50.3	2042		P
Chromium	mg/Kg	75 - 125	26.1		12.1		20.1	70	N	P
Cobalt	mg/Kg	75 - 125	17.2		6.32		10.1	107		P
Copper	mg/Kg	75 - 125	91.9		56.2		15.1	237	N	P
Iron	mg/Kg	75 - 125	13700		12300		150	952		P
Lead	mg/Kg	75 - 125	98.5		43.8		50.3	109		P
Magnesium	mg/Kg	75 - 125	3520		2520		100	1003		P
Manganese	mg/Kg	75 - 125	285		269		10.1	160		P
Nickel	mg/Kg	75 - 125	41.3		13.9		25.1	109		P
Potassium	mg/Kg	75 - 125	1500		989		500	102		P
Selenium	mg/Kg	75 - 125	76.5		1.04	U	100	76		P
Silver	mg/Kg	75 - 125	3.59		0.23	J	3.8	88		P
Sodium	mg/Kg	75 - 125	1040		748		150	191		P
Thallium	mg/Kg	75 - 125	88.7		2.09	U	100	89		P
Vanadium	mg/Kg	75 - 125	34.5		18.7		15.1	104		P
Zinc	mg/Kg	75 - 125	88.3		46.2		10.1	417		P