

metals
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MATRIX SPIKE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473
contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473
matrix: Solid **sample id:** P4486-01 **client id:** EO-03-102224MS
Percent Solids for Sample: 94.3 **Spiked ID:** P4486-01MS **Percent Solids for Spike Sample:** 94.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	2120		2300		86.6	-207		P
Antimony	mg/Kg	75 - 125	30.6		2.47	U	34.6	88		P
Arsenic	mg/Kg	75 - 125	29.4		0.93	J	34.6	82		P
Barium	mg/Kg	75 - 125	18.1		12.5		8.7	65	N	P
Beryllium	mg/Kg	75 - 125	6.76		0.15	J	8.7	76		P
Cadmium	mg/Kg	75 - 125	7.93		0.13	J	8.7	90		P
Calcium	mg/Kg	75 - 125	2760		3090		43.3	-766		P
Chromium	mg/Kg	75 - 125	17.6		3.25		17.3	83		P
Cobalt	mg/Kg	75 - 125	10.5		2.27		8.7	95		P
Copper	mg/Kg	75 - 125	18.1		7.61		13.0	81		P
Iron	mg/Kg	75 - 125	3420		3830		130	-314		P
Lead	mg/Kg	75 - 125	50.3		13.3		43.3	86		P
Magnesium	mg/Kg	75 - 125	554		627		86.6	-85		P
Manganese	mg/Kg	75 - 125	143		155		8.7	-135		P
Nickel	mg/Kg	75 - 125	24.3		3.50		21.6	96		P
Potassium	mg/Kg	75 - 125	639		272		430	85		P
Selenium	mg/Kg	75 - 125	69.5		0.99	U	86.6	80		P
Silver	mg/Kg	75 - 125	2.95		0.056	J	3.2	91		P
Sodium	mg/Kg	75 - 125	391		306		130	65	N	P
Thallium	mg/Kg	75 - 125	73.8		1.97	U	86.6	85		P
Vanadium	mg/Kg	75 - 125	14.2		4.45		13.0	75		P
Zinc	mg/Kg	75 - 125	21.7		16.1		8.7	65	N	P

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MATRIX SPIKE DUPLICATE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473
contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473
matrix: Solid **sample id:** P4486-01 **client id:** EO-03-102224MSD
Percent Solids for Sample: 94.3 **Spiked ID:** P4486-01MSD **Percent Solids for Spike Sample:** 94.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	2180		2300		89.5	-132		P
Antimony	mg/Kg	75 - 125	31.6		2.47	U	35.8	88		P
Arsenic	mg/Kg	75 - 125	30.1		0.93	J	35.8	81		P
Barium	mg/Kg	75 - 125	18.7		12.5		8.9	70	N	P
Beryllium	mg/Kg	75 - 125	6.97		0.15	J	8.9	77		P
Cadmium	mg/Kg	75 - 125	8.16		0.13	J	8.9	90		P
Calcium	mg/Kg	75 - 125	2870		3090		44.7	-496		P
Chromium	mg/Kg	75 - 125	18.1		3.25		17.9	83		P
Cobalt	mg/Kg	75 - 125	10.8		2.27		8.9	96		P
Copper	mg/Kg	75 - 125	18.6		7.61		13.4	82		P
Iron	mg/Kg	75 - 125	3510		3830		130	-248		P
Lead	mg/Kg	75 - 125	51.9		13.3		44.7	86		P
Magnesium	mg/Kg	75 - 125	576		627		89.5	-57		P
Manganese	mg/Kg	75 - 125	148		155		8.9	-73		P
Nickel	mg/Kg	75 - 125	25.0		3.50		22.4	96		P
Potassium	mg/Kg	75 - 125	650		272		450	84		P
Selenium	mg/Kg	75 - 125	71.3		0.99	U	89.5	80		P
Silver	mg/Kg	75 - 125	3.01		0.056	J	3.4	87		P
Sodium	mg/Kg	75 - 125	396		306		130	69	N	P
Thallium	mg/Kg	75 - 125	77.1		1.97	U	89.5	86		P
Vanadium	mg/Kg	75 - 125	14.7		4.45		13.4	77		P
Zinc	mg/Kg	75 - 125	22.3		16.1		8.9	69	N	P

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MATRIX SPIKE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473
contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473
matrix: Solid **sample id:** P4489-01 **client id:** RT-2675MS
Percent Solids for Sample: 90.8 **Spiked ID:** P4489-01MS **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.39		0.13		0.28	93		CV

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MATRIX SPIKE DUPLICATE SUMMARY

client: Yannuzzi Group, Inc. **level:** low **sdg no.:** P4473
contract: YANN01 **lab code:** CHEM **case no.:** P4473 **sas no.:** P4473
matrix: Solid **sample id:** P4489-01 **client id:** RT-2675MSD
Percent Solids for Sample: 90.8 **Spiked ID:** P4489-01MSD **Percent Solids for Spike Sample:** 90.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 124	0.36		0.13		0.26	90		CV