

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1901</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1901</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q1896-03</u>	Client ID:	<u>295-BERGEN-FRACDUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q1896-03DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	1.03		0.95		8		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1901
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1901 **SAS No.:** Q1901
Matrix: Water **Sample ID:** Q1896-03MS **Client ID:** 295-BERGEN-FRACMSD
Percent Solids for Sample: NA **Duplicate ID** Q1896-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	3.88		3.80		2		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1901
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1901 **SAS No.:** Q1901
Matrix: Solid **Sample ID:** Q1901-02 **Client ID:** B-167-SB01DUP
Percent Solids for Sample: 82.6 **Duplicate ID** Q1901-02DUP **Percent Solids for Spike Sample:** 82.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.039		0.042		7		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Portal Partners Tri-Venture</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q1901</u>
Contract:	<u>PORT06</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q1901</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q1901-02MS</u>	Client ID:	<u>B-167-SB01MSD</u>
Percent Solids for Sample:	82.6	Duplicate ID	Q1901-02MSD	Percent Solids for Spike Sample:	82.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.34		0.31		7		CV

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1901
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1901 **SAS No.:** Q1901
Matrix: Water **Sample ID:** Q1901-06 **Client ID:** FB04262025DUP
Percent Solids for Sample: NA **Duplicate ID** Q1901-06DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	6.11	J	7.45	J	20		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	1000	U	1000	U			P
Chromium	ug/L	20	5.00	U	5.00	U			P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	10.0	U	10.0	U			P
Iron	ug/L	20	50.0	U	23.7	J	200.0		P
Lead	ug/L	20	6.00	U	1.28	J	200.0		P
Magnesium	ug/L	20	1000	U	1000	U			P
Manganese	ug/L	20	6.66	J	5.10	J	27		P
Nickel	ug/L	20	20.0	U	20.0	U			P
Potassium	ug/L	20	1000	U	1000	U			P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	1000	U	1000	U			P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	20.0	U	20.0	U			P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1901
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1901 **SAS No.:** Q1901
Matrix: Water **Sample ID:** Q1901-06MS **Client ID:** FB04262025MSD
Percent Solids for Sample: NA **Duplicate ID** Q1901-06MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	906		944		4		P
Antimony	ug/L	20	382		393		3		P
Arsenic	ug/L	20	372		380		2		P
Barium	ug/L	20	87.6		89.6		2		P
Beryllium	ug/L	20	81.0		88.5		9		P
Cadmium	ug/L	20	92.0		94.4		3		P
Calcium	ug/L	20	476	J	495	J	4		P
Chromium	ug/L	20	187		196		5		P
Cobalt	ug/L	20	91.3		93.9		3		P
Copper	ug/L	20	143		147		3		P
Iron	ug/L	20	1440		1450		1		P
Lead	ug/L	20	454		465		2		P
Magnesium	ug/L	20	894	J	940	J	5		P
Manganese	ug/L	20	91.6		98.3		7		P
Nickel	ug/L	20	230		236		3		P
Potassium	ug/L	20	4650		4750		2		P
Selenium	ug/L	20	900		923		3		P
Silver	ug/L	20	33.3		35.5		6		P
Sodium	ug/L	20	1380		1420		3		P
Thallium	ug/L	20	952		959		1		P
Vanadium	ug/L	20	138		143		4		P
Zinc	ug/L	20	100		98.4		2		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1901
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1901 **SAS No.:** Q1901
Matrix: Solid **Sample ID:** Q1902-02 **Client ID:** 343DUP
Percent Solids for Sample: 90.3 **Duplicate ID** Q1902-02DUP **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	6010		6390		6		P
Antimony	mg/Kg	20	2.38	U	2.66	U			P
Arsenic	mg/Kg	20	2.97		3.16		6		P
Barium	mg/Kg	20	44.1		47.1		7		P
Beryllium	mg/Kg	20	0.40		0.44		11		P
Cadmium	mg/Kg	20	0.28	U	0.32	U			P
Calcium	mg/Kg	20	817		916		11		P
Chromium	mg/Kg	20	10.6		11.8		11		P
Cobalt	mg/Kg	20	5.01		5.11		2		P
Copper	mg/Kg	20	11.1		11.8		6		P
Iron	mg/Kg	20	11500		11900		3		P
Lead	mg/Kg	20	32.1		36.6		13		P
Magnesium	mg/Kg	20	1650		1730		5		P
Manganese	mg/Kg	20	278		285		2		P
Nickel	mg/Kg	20	9.50		9.74		2		P
Potassium	mg/Kg	20	627		640		2		P
Selenium	mg/Kg	20	0.25	J	1.06	U	200.0		P
Silver	mg/Kg	20	0.19	J	0.13	J	36		P
Sodium	mg/Kg	20	131		131		0		P
Thallium	mg/Kg	20	0.24	J	0.38	J	43		P
Vanadium	mg/Kg	20	14.5		15.9		9		P
Zinc	mg/Kg	20	47.4		50.7		7		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Portal Partners Tri-Venture **Level:** LOW **SDG No.:** Q1901
Contract: PORT06 **Lab Code:** CHEM **Case No.:** Q1901 **SAS No.:** Q1901
Matrix: Solid **Sample ID:** Q1902-02MS **Client ID:** 343MSD
Percent Solids for Sample: 90.3 **Duplicate ID** Q1902-02MSD **Percent Solids for Spike Sample:** 90.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8240		6230		28	*	P
Antimony	mg/Kg	20	14.9		14.0		6		P
Arsenic	mg/Kg	20	39.6		34.9		13		P
Barium	mg/Kg	20	58.6		55.3		6		P
Beryllium	mg/Kg	20	10.3		8.37		21	*	P
Cadmium	mg/Kg	20	11.0		9.35		16		P
Calcium	mg/Kg	20	1100		944		15		P
Chromium	mg/Kg	20	33.0		27.8		17		P
Cobalt	mg/Kg	20	16.6		14.2		16		P
Copper	mg/Kg	20	28.0		21.7		25	*	P
Iron	mg/Kg	20	12800		11300		12		P
Lead	mg/Kg	20	93.6		74.8		22	*	P
Magnesium	mg/Kg	20	2320		1860		22	*	P
Manganese	mg/Kg	20	306		331		8		P
Nickel	mg/Kg	20	38.4		33.2		15		P
Potassium	mg/Kg	20	1180		1140		3		P
Selenium	mg/Kg	20	84.8		75.6		11		P
Silver	mg/Kg	20	3.56		3.26		9		P
Sodium	mg/Kg	20	255		240		6		P
Thallium	mg/Kg	20	103		90.5		13		P
Vanadium	mg/Kg	20	31.2		25.9		19		P
Zinc	mg/Kg	20	71.3		53.7		28	*	P