

ANALYTICAL RESULTS SUMMARY

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2024

PORTAL PARTNERS TRI-VENTURE

c/o Gannett Fleming Inc. Transit and Rail System

207 Senate Avenue

Camp Hill, PA - 17011

Phone No: 610-650-8101

ORDER ID : P4718

ATTENTION : Joseph Krupansky



Laboratory Certification ID # 20012



Hit Summary Sheet
SW-846

SDG No.: P4718

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	WB-307-SB01							
P4718-01	WB-307-SB01	SOIL	Acetone	7.50	J	5.40	21.5	ug/Kg
P4718-01	WB-307-SB01	SOIL	Carbon Disulfide	3.50	J	1.10	4.30	ug/Kg
P4718-01	WB-307-SB01	SOIL	Methylene Chloride	4.30	J	2.90	8.60	ug/Kg
			Total Voc :	15.3				
			Total Concentration:	15.3				
Client ID:	WB-307-SB02							
P4718-02	WB-307-SB02	SOIL	Acetone	5.90	J	5.10	20.2	ug/Kg
P4718-02	WB-307-SB02	SOIL	Methylene Chloride	3.80	J	2.80	8.10	ug/Kg
			Total Voc :	9.70				
			Total Concentration:	9.70				



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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID:

0

Total Voc :

Total Concentration:

Hit Summary Sheet SW-846

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	WB-307-SB01							
P4718-01	WB-307-SB01	SOIL	2-Bromo dodecane	*	190.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	870.000	AB 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Benzophenone	*	380.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Butane, 2-methoxy-2-methyl-	*	3,700.000	JB 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Dodecane, 2,6,10-trimethyl-	*	550.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	n-Hexadecanoic acid	*	550.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Oleic Acid	*	120.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Pentacosane	*	680.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Pentadecane	*	730.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Pentadecane, 7-methyl-	*	130.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Propane, 1,1-dimethoxy-	*	130.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Sulfurous acid, 2-ethylhexyl tride	*	180.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Tetradecane	*	1,700.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	trans, cis-3-Ethylbicyclo[4.4.0]de	*	100.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Tridecane	*	700.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Trifluoroacetic acid, pentadecyl e	*	240.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Undecane, 3-methyl-	*	150.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	Undecane, 5,5-dimethyl-	*	150.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	unknown8.804	*	160.000	J 0	0	ug/Kg
P4718-01	WB-307-SB01	SOIL	unknown9.034	*	230.000	J 0	0	ug/Kg
Total Tics :				11,640.00				
Total Concentration:				11,640.00				
Client ID :	WB-307-SB02							
P4718-02	WB-307-SB02	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	790.000	AB 0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Benzophenone	*	360.000	J 0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Butane, 2-methoxy-2-methyl-	*	3,500.000	JB 0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Heptadecyl heptafluorobutyrate	*	210.000	J 0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	n-Hexadecanoic acid	*	460.000	J 0	0	ug/Kg
P4718-02	WB-307-SB02	SOIL	Propane, 1,1-dimethoxy-	*	120.000	J 0	0	ug/Kg
Total Tics :				5,440.00				
Total Concentration:				5,440.00				
Client ID :	WB-307-SW							
P4718-04	WB-307-SW	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	10.500	AB 0	0	ug/L
P4718-04	WB-307-SW	WATER	Acetic acid, butyl ester	*	3.300	J 0	0	ug/L
P4718-04	WB-307-SW	WATER	Benzophenone	*	5.400	J 0	0	ug/L
P4718-04	WB-307-SW	WATER	Butane, 2-methoxy-2-methyl-	*	250.000	JB 0	0	ug/L



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Hit Summary Sheet
SW-846

SDG No.: P4718
Client: Portal Partners Tri-Venture

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P4718-04	WB-307-SW	WATER	n-Hexadecanoic acid	*	3.300	J 0	0	ug/L
			Total Tics :			272.50		
			Total Concentration:			272.50		



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Hit Summary Sheet
SW-846

SDG No.: P4718
Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :				0.000				
Total Svoc :						0.00		
Total Concentration:						0.00		



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SDG No.: P4718

Order ID: P4718

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000



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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000



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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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Client ID :

Total Concentration: 0.000

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SW-846

SDG No.: P4718

Order ID: P4718

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WB-307-SB01								
P4718-01	WB-307-SB01	SOIL	Aluminum	4030		2.69	5.57	mg/Kg
P4718-01	WB-307-SB01	SOIL	Arsenic	1.77		0.32	1.11	mg/Kg
P4718-01	WB-307-SB01	SOIL	Barium	54.2		0.71	5.57	mg/Kg
P4718-01	WB-307-SB01	SOIL	Beryllium	0.40		0.013	0.33	mg/Kg
P4718-01	WB-307-SB01	SOIL	Cadmium	1.18		0.018	0.33	mg/Kg
P4718-01	WB-307-SB01	SOIL	Calcium	10400		3.12	111	mg/Kg
P4718-01	WB-307-SB01	SOIL	Chromium	15.5		0.060	0.56	mg/Kg
P4718-01	WB-307-SB01	SOIL	Cobalt	4.91		0.065	1.67	mg/Kg
P4718-01	WB-307-SB01	SOIL	Copper	14.4		0.52	1.11	mg/Kg
P4718-01	WB-307-SB01	SOIL	Iron	9340		3.00	5.57	mg/Kg
P4718-01	WB-307-SB01	SOIL	Lead	9.59		0.17	0.67	mg/Kg
P4718-01	WB-307-SB01	SOIL	Magnesium	2140		3.82	111	mg/Kg
P4718-01	WB-307-SB01	SOIL	Manganese	239		0.079	1.11	mg/Kg
P4718-01	WB-307-SB01	SOIL	Mercury	0.0080	J	0.0070	0.015	mg/Kg
P4718-01	WB-307-SB01	SOIL	Nickel	11.1		0.10	2.23	mg/Kg
P4718-01	WB-307-SB01	SOIL	Potassium	801		32.0	111	mg/Kg
P4718-01	WB-307-SB01	SOIL	Silver	0.23	J	0.058	0.56	mg/Kg
P4718-01	WB-307-SB01	SOIL	Sodium	1200		40.2	111	mg/Kg
P4718-01	WB-307-SB01	SOIL	Vanadium	18.4		0.30	2.23	mg/Kg
P4718-01	WB-307-SB01	SOIL	Zinc	31.1		0.12	2.23	mg/Kg
Client ID : WB-307-SB02								
P4718-02	WB-307-SB02	SOIL	Aluminum	1990		2.55	5.28	mg/Kg
P4718-02	WB-307-SB02	SOIL	Arsenic	1.00	J	0.31	1.06	mg/Kg
P4718-02	WB-307-SB02	SOIL	Barium	11.7		0.68	5.28	mg/Kg
P4718-02	WB-307-SB02	SOIL	Beryllium	0.21	J	0.013	0.32	mg/Kg
P4718-02	WB-307-SB02	SOIL	Cadmium	0.62		0.017	0.32	mg/Kg
P4718-02	WB-307-SB02	SOIL	Calcium	3290		2.96	106	mg/Kg
P4718-02	WB-307-SB02	SOIL	Chromium	5.65		0.057	0.53	mg/Kg
P4718-02	WB-307-SB02	SOIL	Cobalt	2.57		0.061	1.58	mg/Kg
P4718-02	WB-307-SB02	SOIL	Copper	4.19		0.50	1.06	mg/Kg
P4718-02	WB-307-SB02	SOIL	Iron	6880		2.84	5.28	mg/Kg
P4718-02	WB-307-SB02	SOIL	Lead	3.08		0.16	0.63	mg/Kg
P4718-02	WB-307-SB02	SOIL	Magnesium	1440		3.62	106	mg/Kg
P4718-02	WB-307-SB02	SOIL	Manganese	81.0		0.075	1.06	mg/Kg
P4718-02	WB-307-SB02	SOIL	Mercury	0.018		0.0070	0.016	mg/Kg
P4718-02	WB-307-SB02	SOIL	Nickel	5.02		0.095	2.11	mg/Kg
P4718-02	WB-307-SB02	SOIL	Potassium	466		30.3	106	mg/Kg

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SW-846

SDG No.: P4718

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Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4718-02	WB-307-SB02	SOIL	Silver	0.15	J	0.055	0.53	mg/Kg
P4718-02	WB-307-SB02	SOIL	Sodium	1250		38.1	106	mg/Kg
P4718-02	WB-307-SB02	SOIL	Vanadium	8.23		0.28	2.11	mg/Kg
P4718-02	WB-307-SB02	SOIL	Zinc	11.9		0.12	2.11	mg/Kg
Client ID : WB-307-SW								
P4718-04	WB-307-SW	Water	Aluminum	389		28.3	50.0	ug/L
P4718-04	WB-307-SW	Water	Barium	34.4	J	6.28	50.0	ug/L
P4718-04	WB-307-SW	Water	Cadmium	0.19	J	0.094	3.00	ug/L
P4718-04	WB-307-SW	Water	Calcium	206000		33.0	1000	ug/L
P4718-04	WB-307-SW	Water	Chromium	1.78	J	0.66	5.00	ug/L
P4718-04	WB-307-SW	Water	Iron	521		18.5	50.0	ug/L
P4718-04	WB-307-SW	Water	Magnesium	628000		39.4	1000	ug/L
P4718-04	WB-307-SW	Water	Manganese	69.7		1.46	10.0	ug/L
P4718-04	WB-307-SW	Water	Potassium	425000		685	1000	ug/L
P4718-04	WB-307-SW	Water	Sodium	5110000	D	2370	10000	ug/L
P4718-04	WB-307-SW	Water	Vanadium	3.65	J	3.06	20.0	ug/L
P4718-04	WB-307-SW	Water	Zinc	19.8	J	1.75	20.0	ug/L



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Project ID: Amtrak Sawtooth Bridges 2024

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WB-307-SB02								
P4718-03	WB-307-SB02	TCLP	Barium	1850		62.8	500	ug/L
P4718-03	WB-307-SB02	TCLP	Chromium	16.1	J	6.60	50.0	ug/L