

ANALYTICAL RESULT 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 : P4471

ATTENTION : Joseph Krupansky



Laboratory Certification ID # 20012



Hit Summary Sheet
SW-846

SDG No.: P4471

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	B-180-SB01							
P4471-01	B-180-SB01	SOIL	Methylene Chloride	3.60	J	2.50	7.30	ug/Kg
P4471-01	B-180-SB01	SOIL	Methylcyclohexane	0.75	J	0.63	3.60	ug/Kg
P4471-01	B-180-SB01	SOIL	Toluene	1.80	J	0.49	3.60	ug/Kg
P4471-01	B-180-SB01	SOIL	m/p-Xylenes	2.00	J	0.98	7.30	ug/Kg
P4471-01	B-180-SB01	SOIL	o-Xylene	0.85	J	0.51	3.60	ug/Kg
			Total Voc :			9.00		
P4471-01	B-180-SB01	SOIL	1,2,4-Trimethylbenzene	* 2.30	J	0.99	3.60	ug/Kg
			Total Tics :			2.30		
			Total Concentration:			11.3		
Client ID:	B-180-SB02							
P4471-02	B-180-SB02	SOIL	Acetone	360		16.7	66.9	ug/Kg
P4471-02	B-180-SB02	SOIL	Carbon Disulfide	25.8		3.40	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	2-Butanone	100		15.2	66.9	ug/Kg
P4471-02	B-180-SB02	SOIL	Toluene	5.60	J	1.80	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	m/p-Xylenes	4.20	J	3.60	26.7	ug/Kg
P4471-02	B-180-SB02	SOIL	Isopropylbenzene	120		1.80	13.4	ug/Kg
			Total Voc :			616		
P4471-02	B-180-SB02	SOIL	unknown13.669	* 110	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Camphene	* 86.7	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Bicyclo[2.2.1]heptane, 7,7-dim	* 64.0	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Cyclohexene, 4-methyl-1-(1-m	* 120	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Tridecane	* 55.0	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Octane, 2,6-dimethyl-	* 41.1	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Naphthalene, decahydro-2-metl	* 83.7	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Dodecane, 6-methyl-	* 64.9	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	1-Iodo-2-methylnonane	* 88.7	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Diethyl Ether	* 3.00	J	1.70	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	1,2,4-Trimethylbenzene	* 6.50	J	3.70	13.4	ug/Kg
P4471-02	B-180-SB02	SOIL	p-Isopropyltoluene	* 290	J	1.60	13.4	ug/Kg
			Total Tics :			1010		
			Total Concentration:			1630		

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-180-SB01								
P4471-01	B-180-SB01	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	210.000	AB	0	0	ug/Kg
P4471-01	B-180-SB01	SOIL	Benzophenone *	200.000	J	0	0	ug/Kg
P4471-01	B-180-SB01	SOIL	Butane, 2-methoxy-2-methyl- *	2,200.000	JB	0	0	ug/Kg
P4471-01	B-180-SB01	SOIL	n-Hexadecanoic acid *	260.000	J	0	0	ug/Kg
P4471-01	B-180-SB01	SOIL	Trifluoroacetoxy hexadecane *	160.000	J	0	0	ug/Kg
Total Tics :				3,030.00				
Total Concentration:				3,030.00				
Client ID : B-180-SB02								
P4471-02	B-180-SB02	SOIL	.alpha.-Pinene *	6,600.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	.gamma.-Sitosterol *	480.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	1,2-15,16-Diepoxyhexadecane *	3,100.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	1,21-Docosadiene *	420.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	1,4-Dimethyl-8-isopropylidenetric *	700.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	9(1H)-Phenanthrenone, 2,3,4,4a,1 *	830.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Bicyclo[2.2.1]heptan-2-one, 1,7,7- *	1,200.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Butane, 2-methoxy-2-methyl- *	3,400.000	JB	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Camphene *	400.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Dehydroabietic acid *	400.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Docosanoic acid *	420.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	endo-Borneol *	470.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Fenchol *	510.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Heptadecyl heptafluorobutyrate *	910.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Hexacosane *	400.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	n-Hexadecanoic acid *	710.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Octadecyl trifluoroacetate *	1,100.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	p-Cymene *	1,000.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	Terpinen-4-ol *	550.000	J	0	0	ug/Kg
P4471-02	B-180-SB02	SOIL	unknown13.533 *	370.000	J	0	0	ug/Kg
Total Tics :				23,970.00				
Total Concentration:				23,970.00				



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SDG No.: P4471

Order ID: P4471

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

Hit Summary Sheet
SW-846

SDG No.: P4471

Order ID: P4471

Client: Portal Partners Tri-Venture

Project ID: 314183

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-180-SB01								
P4471-01	B-180-SB01	SOIL	Aluminum	9310		2.68	5.57	mg/Kg
P4471-01	B-180-SB01	SOIL	Arsenic	2.05		0.32	1.11	mg/Kg
P4471-01	B-180-SB01	SOIL	Barium	119		0.71	5.57	mg/Kg
P4471-01	B-180-SB01	SOIL	Beryllium	0.53		0.013	0.33	mg/Kg
P4471-01	B-180-SB01	SOIL	Cadmium	1.07		0.018	0.33	mg/Kg
P4471-01	B-180-SB01	SOIL	Calcium	3830		3.12	111	mg/Kg
P4471-01	B-180-SB01	SOIL	Chromium	20.5		0.060	0.56	mg/Kg
P4471-01	B-180-SB01	SOIL	Cobalt	11.7		0.065	1.67	mg/Kg
P4471-01	B-180-SB01	SOIL	Copper	39.0		0.52	1.11	mg/Kg
P4471-01	B-180-SB01	SOIL	Iron	17200		2.99	5.57	mg/Kg
P4471-01	B-180-SB01	SOIL	Lead	46.2		0.17	0.67	mg/Kg
P4471-01	B-180-SB01	SOIL	Magnesium	5580		3.82	111	mg/Kg
P4471-01	B-180-SB01	SOIL	Manganese	179		0.079	1.11	mg/Kg
P4471-01	B-180-SB01	SOIL	Mercury	0.48		0.0060	0.015	mg/Kg
P4471-01	B-180-SB01	SOIL	Nickel	23.6		0.10	2.23	mg/Kg
P4471-01	B-180-SB01	SOIL	Potassium	5600		31.9	111	mg/Kg
P4471-01	B-180-SB01	SOIL	Silver	0.24	J	0.058	0.56	mg/Kg
P4471-01	B-180-SB01	SOIL	Sodium	154		40.2	111	mg/Kg
P4471-01	B-180-SB01	SOIL	Vanadium	29.1		0.30	2.23	mg/Kg
P4471-01	B-180-SB01	SOIL	Zinc	102		0.12	2.23	mg/Kg
Client ID : B-180-SB02								
P4471-02	B-180-SB02	SOIL	Aluminum	5750		4.26	8.84	mg/Kg
P4471-02	B-180-SB02	SOIL	Arsenic	0.88	J	0.51	1.77	mg/Kg
P4471-02	B-180-SB02	SOIL	Barium	6.66	J	1.13	8.84	mg/Kg
P4471-02	B-180-SB02	SOIL	Beryllium	0.32	J	0.021	0.53	mg/Kg
P4471-02	B-180-SB02	SOIL	Cadmium	0.18	J	0.028	0.53	mg/Kg
P4471-02	B-180-SB02	SOIL	Calcium	2020		4.95	177	mg/Kg
P4471-02	B-180-SB02	SOIL	Chromium	6.46		0.095	0.88	mg/Kg
P4471-02	B-180-SB02	SOIL	Cobalt	4.02		0.10	2.65	mg/Kg
P4471-02	B-180-SB02	SOIL	Copper	4.10		0.83	1.77	mg/Kg
P4471-02	B-180-SB02	SOIL	Iron	5320		4.75	8.84	mg/Kg
P4471-02	B-180-SB02	SOIL	Lead	4.08		0.27	1.06	mg/Kg
P4471-02	B-180-SB02	SOIL	Magnesium	1530		6.06	177	mg/Kg
P4471-02	B-180-SB02	SOIL	Manganese	27.9		0.13	1.77	mg/Kg
P4471-02	B-180-SB02	SOIL	Mercury	0.11		0.012	0.027	mg/Kg
P4471-02	B-180-SB02	SOIL	Nickel	8.73		0.16	3.53	mg/Kg
P4471-02	B-180-SB02	SOIL	Potassium	502		50.7	177	mg/Kg

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SDG No.: P4471

Order ID: P4471

Client: Portal Partners Tri-Venture

Project ID: 314183

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4471-02	B-180-SB02	SOIL	Sodium	1370		63.8	177	mg/Kg
P4471-02	B-180-SB02	SOIL	Vanadium	6.18		0.48	3.53	mg/Kg
P4471-02	B-180-SB02	SOIL	Zinc	17.4		0.19	3.53	mg/Kg