

ANALYTICAL RESULTS SUMMARY

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

PROJECT NAME : AMTRAK SAWTOOTH BRIDGES 2025

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 : Q2934

ATTENTION : Joseph Krupansky



Laboratory Certification ID # 20012



Hit Summary Sheet
SW-846

SDG No.: Q2934

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q2934-01	ENV-SW01 ENV-SW01	Water	Acetone	11.0		1.50	5.00	ug/L
			Total Voc :	11.0				
Q2934-01	ENV-SW01	Water	Sulfur dioxide	* 180	J	0	0	ug/L
			Total Tics :	180				
			Total Concentration:	191				
Client ID: Q2934-02	ENV-SW02 ENV-SW02	Water	Acetone	9.20		1.50	5.00	ug/L
			Total Voc :	9.20				
Q2934-02	ENV-SW02	Water	Sulfur dioxide	* 120	J	0	0	ug/L
			Total Tics :	120				
			Total Concentration:	129				
Client ID: Q2934-03	ENV-SW03 ENV-SW03	Water	Acetone	7.60		1.50	5.00	ug/L
			Total Voc :	7.60				
Q2934-03	ENV-SW03	Water	Sulfur dioxide	* 81.2	J	0	0	ug/L
			Total Tics :	81.2				
			Total Concentration:	88.8				
Client ID: Q2934-04	ENV-SW04 ENV-SW04	Water	Acetone	4.00	J	1.50	5.00	ug/L
			Total Voc :	4.00				
Q2934-04	ENV-SW04	Water	Sulfur dioxide	* 56.8	J	0	0	ug/L
			Total Tics :	56.8				
			Total Concentration:	60.8				

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SDG No.: Q2934
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Sample ID	Client ID		Parameter		Concentration	C	MDL		RDL	Units
Client ID :	ENV-SW01									
Q2934-01	ENV-SW01	WATER	Bis(2-ethylhexyl)phthalate		2.100	J	1.6		5	ug/L
Total Svoc :					2.10					
Q2934-01	ENV-SW01	WATER	Butane, 2-methoxy-2-methyl-	*	82.900	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	n-Hexadecanoic acid	*	12.300	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	Octadecanoic acid	*	2.400	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	unknown2.984	*	3.100	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	unknown3.078	*	3.700	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	1-Hexacosene	*	4.600	J	0		0	ug/L
Q2934-01	ENV-SW01	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.500	AB	0		0	ug/L
Q2934-01	ENV-SW01	WATER	Benzophenone	*	7.400	J	0		0	ug/L
Total Tics :					123.90					
Total Concentration:					126.00					
Client ID :	ENV-SW02									
Q2934-02	ENV-SW02	WATER	1,1,3-Trimethoxypropane	*	4.100	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.700	AB	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Benzophenone	*	7.700	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Butane, 2-methoxy-2-methyl-	*	81.000	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	n-Hexadecanoic acid	*	14.100	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Octadecanoic acid	*	5.300	J	0		0	ug/L
Q2934-02	ENV-SW02	WATER	Pentadecafluorooctanoic acid, oct:	*	4.900	J	0		0	ug/L
Total Tics :					125.80					
Total Concentration:					125.80					
Client ID :	ENV-SW03									
Q2934-03	ENV-SW03	WATER	2-Butene, 1-bromo-3-methyl-	*	2.800	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.300	AB	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Benzophenone	*	8.300	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Butane, 2-methoxy-2-methyl-	*	75.200	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Ethanol, 2-(tetradecyloxy)-	*	5.800	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	n-Hexadecanoic acid	*	16.100	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	Octadecanoic acid	*	5.300	J	0		0	ug/L
Q2934-03	ENV-SW03	WATER	unknown3.072	*	3.400	J	0		0	ug/L
Total Tics :					125.20					
Total Concentration:					125.20					
Client ID :	ENV-SW04									
Q2934-04	ENV-SW04	WATER	2-Arachidonoylglycerol	*	6.600	J	0		0	ug/L
Q2934-04	ENV-SW04	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	7.400	AB	0		0	ug/L

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SDG No.: Q2934

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Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Q2934-04	ENV-SW04	WATER	3-Buten-2-one, 3-methyl-	*	4.100	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	9,12,15-Octadecatrienoic acid, (Z,	*	7.000	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Benzophenone	*	17.000	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Butane, 2-methoxy-2-methyl-	*	65.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Cyclotetracosane	*	16.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heneicosane, 11-decyl-	*	5.200	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Heptadecane, 9-octyl-	*	3.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Myristyl myristate	*	17.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Neophytadiene	*	9.300	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	n-Hexadecanoic acid	*	30.400	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecane	*	3.900	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Octadecanoic acid	*	8.800	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Phytol	*	4.600	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Squalene	*	4.500	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetracosane	*	4.700	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	Tetradecanoic acid, hexadecyl est	*	15.200	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown3.078	*	4.800	J 0	0	ug/L
Q2934-04	ENV-SW04	WATER	unknown4.249	*	4.400	J 0	0	ug/L
Total Tics :					242.10			
Total Concentration:					242.10			



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Order ID: Q2934

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2025

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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SDG No.: Q2934

Order ID: Q2934

Client: Portal Partners Tri-Venture

Project ID: Amtrak Sawtooth Bridges 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : ENV-SW01								
Q2934-01	ENV-SW01	Water	Aluminum	145		5.67	50.0	ug/L
Q2934-01	ENV-SW01	Water	Antimony	5.82	J	3.38	25.0	ug/L
Q2934-01	ENV-SW01	Water	Arsenic	4.22	J	2.56	10.0	ug/L
Q2934-01	ENV-SW01	Water	Barium	148		7.28	50.0	ug/L
Q2934-01	ENV-SW01	Water	Calcium	37200		117	1000	ug/L
Q2934-01	ENV-SW01	Water	Chromium	2.29	J	1.06	5.00	ug/L
Q2934-01	ENV-SW01	Water	Copper	7.23	J	2.30	10.0	ug/L
Q2934-01	ENV-SW01	Water	Iron	2180		11.7	50.0	ug/L
Q2934-01	ENV-SW01	Water	Lead	16.3		1.15	6.00	ug/L
Q2934-01	ENV-SW01	Water	Magnesium	13900		122	1000	ug/L
Q2934-01	ENV-SW01	Water	Manganese	427		2.97	10.0	ug/L
Q2934-01	ENV-SW01	Water	Nickel	7.17	J	1.53	20.0	ug/L
Q2934-01	ENV-SW01	Water	Potassium	24100		459	1000	ug/L
Q2934-01	ENV-SW01	Water	Sodium	54300		434	1000	ug/L
Q2934-01	ENV-SW01	Water	Vanadium	6.01	J	3.13	20.0	ug/L
Q2934-01	ENV-SW01	Water	Zinc	12.9	J	8.33	20.0	ug/L
Client ID : ENV-SW02								
Q2934-02	ENV-SW02	Water	Aluminum	182		5.67	50.0	ug/L
Q2934-02	ENV-SW02	Water	Antimony	6.48	J	3.38	25.0	ug/L
Q2934-02	ENV-SW02	Water	Arsenic	4.50	J	2.56	10.0	ug/L
Q2934-02	ENV-SW02	Water	Barium	169		7.28	50.0	ug/L
Q2934-02	ENV-SW02	Water	Calcium	37200		117	1000	ug/L
Q2934-02	ENV-SW02	Water	Chromium	2.47	J	1.06	5.00	ug/L
Q2934-02	ENV-SW02	Water	Copper	9.63	J	2.30	10.0	ug/L
Q2934-02	ENV-SW02	Water	Iron	2360		11.7	50.0	ug/L
Q2934-02	ENV-SW02	Water	Lead	16.5		1.15	6.00	ug/L
Q2934-02	ENV-SW02	Water	Magnesium	13500		122	1000	ug/L
Q2934-02	ENV-SW02	Water	Manganese	467		2.97	10.0	ug/L
Q2934-02	ENV-SW02	Water	Mercury	0.091	J	0.076	0.20	ug/L
Q2934-02	ENV-SW02	Water	Nickel	7.09	J	1.53	20.0	ug/L
Q2934-02	ENV-SW02	Water	Potassium	23300		459	1000	ug/L
Q2934-02	ENV-SW02	Water	Sodium	52600		434	1000	ug/L
Q2934-02	ENV-SW02	Water	Vanadium	5.44	J	3.13	20.0	ug/L
Q2934-02	ENV-SW02	Water	Zinc	14.9	J	8.33	20.0	ug/L
Client ID : ENV-SW03								
Q2934-03	ENV-SW03	Water	Aluminum	329		5.67	50.0	ug/L

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2934-03	ENV-SW03	Water	Antimony	6.29	J	3.38	25.0	ug/L
Q2934-03	ENV-SW03	Water	Arsenic	4.40	J	2.56	10.0	ug/L
Q2934-03	ENV-SW03	Water	Barium	234		7.28	50.0	ug/L
Q2934-03	ENV-SW03	Water	Calcium	39300		117	1000	ug/L
Q2934-03	ENV-SW03	Water	Chromium	4.02	J	1.06	5.00	ug/L
Q2934-03	ENV-SW03	Water	Copper	9.65	J	2.30	10.0	ug/L
Q2934-03	ENV-SW03	Water	Iron	2140		11.7	50.0	ug/L
Q2934-03	ENV-SW03	Water	Lead	18.6		1.15	6.00	ug/L
Q2934-03	ENV-SW03	Water	Magnesium	13200		122	1000	ug/L
Q2934-03	ENV-SW03	Water	Manganese	376		2.97	10.0	ug/L
Q2934-03	ENV-SW03	Water	Mercury	0.11	J	0.076	0.20	ug/L
Q2934-03	ENV-SW03	Water	Nickel	7.77	J	1.53	20.0	ug/L
Q2934-03	ENV-SW03	Water	Potassium	22800		459	1000	ug/L
Q2934-03	ENV-SW03	Water	Sodium	50400		434	1000	ug/L
Q2934-03	ENV-SW03	Water	Vanadium	6.10	J	3.13	20.0	ug/L
Q2934-03	ENV-SW03	Water	Zinc	16.6	J	8.33	20.0	ug/L
Client ID : ENV-SW04								
Q2934-04	ENV-SW04	Water	Aluminum	184		5.67	50.0	ug/L
Q2934-04	ENV-SW04	Water	Antimony	3.86	J	3.38	25.0	ug/L
Q2934-04	ENV-SW04	Water	Barium	164		7.28	50.0	ug/L
Q2934-04	ENV-SW04	Water	Calcium	98700		117	1000	ug/L
Q2934-04	ENV-SW04	Water	Chromium	4.89	J	1.06	5.00	ug/L
Q2934-04	ENV-SW04	Water	Copper	2.39	J	2.30	10.0	ug/L
Q2934-04	ENV-SW04	Water	Iron	666		11.7	50.0	ug/L
Q2934-04	ENV-SW04	Water	Lead	3.11	J	1.15	6.00	ug/L
Q2934-04	ENV-SW04	Water	Magnesium	249000		122	1000	ug/L
Q2934-04	ENV-SW04	Water	Manganese	194		2.97	10.0	ug/L
Q2934-04	ENV-SW04	Water	Mercury	0.14	J	0.076	0.20	ug/L
Q2934-04	ENV-SW04	Water	Nickel	4.89	J	1.53	20.0	ug/L
Q2934-04	ENV-SW04	Water	Potassium	145000		459	1000	ug/L
Q2934-04	ENV-SW04	Water	Sodium	2260000	D	868	2000	ug/L
Q2934-04	ENV-SW04	Water	Vanadium	7.19	J	3.13	20.0	ug/L
Q2934-04	ENV-SW04	Water	Zinc	11.9	J	8.33	20.0	ug/L