

Hit Summary Sheet SW-846

SDG No.: P4578

Order ID: P4578

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-305-SW								
P4578-01	WB-305-SW	Water	Aluminum	116		28.3	50.0	ug/L
P4578-01	WB-305-SW	Water	Antimony	2.72	J	2.06	25.0	ug/L
P4578-01	WB-305-SW	Water	Barium	31.8	J	6.28	50.0	ug/L
P4578-01	WB-305-SW	Water	Calcium	173000		33.0	1000	ug/L
P4578-01	WB-305-SW	Water	Chromium	5.67		0.66	5.00	ug/L
P4578-01	WB-305-SW	Water	Iron	436		18.5	50.0	ug/L
P4578-01	WB-305-SW	Water	Magnesium	440000		39.4	1000	ug/L
P4578-01	WB-305-SW	Water	Manganese	70.2		1.46	10.0	ug/L
P4578-01	WB-305-SW	Water	Nickel	3.83	J	0.85	20.0	ug/L
P4578-01	WB-305-SW	Water	Potassium	210000		685	1000	ug/L
P4578-01	WB-305-SW	Water	Sodium	3960000	D	1190	5000	ug/L
P4578-01	WB-305-SW	Water	Zinc	25.0		1.75	20.0	ug/L
Client ID : WB-305-SW-1								
P4578-02	WB-305-SW-1	Water	Aluminum	90.3		28.3	50.0	ug/L
P4578-02	WB-305-SW-1	Water	Barium	30.7	J	6.28	50.0	ug/L
P4578-02	WB-305-SW-1	Water	Calcium	169000		33.0	1000	ug/L
P4578-02	WB-305-SW-1	Water	Chromium	5.82		0.66	5.00	ug/L
P4578-02	WB-305-SW-1	Water	Iron	387		18.5	50.0	ug/L
P4578-02	WB-305-SW-1	Water	Magnesium	432000		39.4	1000	ug/L
P4578-02	WB-305-SW-1	Water	Manganese	67.9		1.46	10.0	ug/L
P4578-02	WB-305-SW-1	Water	Nickel	5.34	J	0.85	20.0	ug/L
P4578-02	WB-305-SW-1	Water	Potassium	200000		685	1000	ug/L
P4578-02	WB-305-SW-1	Water	Sodium	3960000	D	1190	5000	ug/L
P4578-02	WB-305-SW-1	Water	Vanadium	3.63	J	3.06	20.0	ug/L
P4578-02	WB-305-SW-1	Water	Zinc	22.1		1.75	20.0	ug/L
Client ID : WB-305-TOP								
P4578-03	WB-305-TOP	SOIL	Aluminum	8650		4.13	8.57	mg/Kg
P4578-03	WB-305-TOP	SOIL	Antimony	0.93	J	0.26	4.28	mg/Kg
P4578-03	WB-305-TOP	SOIL	Arsenic	44.3		0.50	1.71	mg/Kg
P4578-03	WB-305-TOP	SOIL	Barium	103		1.10	8.57	mg/Kg
P4578-03	WB-305-TOP	SOIL	Beryllium	0.68		0.021	0.51	mg/Kg
P4578-03	WB-305-TOP	SOIL	Cadmium	3.15		0.027	0.51	mg/Kg
P4578-03	WB-305-TOP	SOIL	Calcium	2590		4.80	171	mg/Kg
P4578-03	WB-305-TOP	SOIL	Chromium	135		0.093	0.86	mg/Kg
P4578-03	WB-305-TOP	SOIL	Cobalt	9.42		0.099	2.57	mg/Kg
P4578-03	WB-305-TOP	SOIL	Copper	306		0.81	1.71	mg/Kg

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P4578-03	WB-305-TOP	SOIL	Iron	20500		4.61	8.57	mg/Kg
P4578-03	WB-305-TOP	SOIL	Lead	261		0.26	1.03	mg/Kg
P4578-03	WB-305-TOP	SOIL	Magnesium	3910		5.88	171	mg/Kg
P4578-03	WB-305-TOP	SOIL	Manganese	207		0.12	1.71	mg/Kg
P4578-03	WB-305-TOP	SOIL	Mercury	4.57	D	0.10	0.23	mg/Kg
P4578-03	WB-305-TOP	SOIL	Nickel	44.2		0.15	3.43	mg/Kg
P4578-03	WB-305-TOP	SOIL	Potassium	1530		49.2	171	mg/Kg
P4578-03	WB-305-TOP	SOIL	Silver	2.64		0.089	0.86	mg/Kg
P4578-03	WB-305-TOP	SOIL	Sodium	3350		61.8	171	mg/Kg
P4578-03	WB-305-TOP	SOIL	Vanadium	23.2		0.46	3.43	mg/Kg
P4578-03	WB-305-TOP	SOIL	Zinc	380		0.19	3.43	mg/Kg
Client ID : WB-305-TOP-1								
P4578-04	WB-305-TOP-1	SOIL	Aluminum	8270		3.91	8.11	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Antimony	1.07	J	0.24	4.06	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Arsenic	71.8		0.47	1.62	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Barium	174		1.04	8.11	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Beryllium	0.64		0.019	0.49	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Cadmium	4.01		0.026	0.49	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Calcium	3120		4.54	162	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Chromium	215	D	0.44	4.06	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Cobalt	8.93		0.094	2.43	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Copper	432		0.76	1.62	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Iron	19100		4.36	8.11	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Lead	458		0.24	0.97	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Magnesium	3710		5.57	162	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Manganese	177		0.12	1.62	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Mercury	2.73	D	0.094	0.21	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Nickel	54.9		0.15	3.24	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Potassium	1440		46.6	162	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Silver	4.34		0.084	0.81	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Sodium	3590		58.6	162	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Thallium	1.24	J	0.71	3.24	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Vanadium	21.5		0.44	3.24	mg/Kg
P4578-04	WB-305-TOP-1	SOIL	Zinc	577		0.18	3.24	mg/Kg
Client ID : WB-305-BOT								
P4578-05	WB-305-BOT	SOIL	Aluminum	3760		2.86	5.94	mg/Kg
P4578-05	WB-305-BOT	SOIL	Antimony	0.18	J	0.18	2.97	mg/Kg
P4578-05	WB-305-BOT	SOIL	Arsenic	1.30		0.35	1.19	mg/Kg
P4578-05	WB-305-BOT	SOIL	Barium	19.3		0.76	5.94	mg/Kg

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P4578-05	WB-305-BOT	SOIL	Beryllium	0.37		0.014	0.36	mg/Kg
P4578-05	WB-305-BOT	SOIL	Cadmium	0.99		0.019	0.36	mg/Kg
P4578-05	WB-305-BOT	SOIL	Calcium	5070		3.33	119	mg/Kg
P4578-05	WB-305-BOT	SOIL	Chromium	10.7		0.064	0.59	mg/Kg
P4578-05	WB-305-BOT	SOIL	Cobalt	5.08		0.069	1.78	mg/Kg
P4578-05	WB-305-BOT	SOIL	Copper	11.6		0.56	1.19	mg/Kg
P4578-05	WB-305-BOT	SOIL	Iron	11800		3.20	5.94	mg/Kg
P4578-05	WB-305-BOT	SOIL	Lead	6.90		0.18	0.71	mg/Kg
P4578-05	WB-305-BOT	SOIL	Magnesium	2640		4.08	119	mg/Kg
P4578-05	WB-305-BOT	SOIL	Manganese	175		0.084	1.19	mg/Kg
P4578-05	WB-305-BOT	SOIL	Mercury	0.072		0.0060	0.014	mg/Kg
P4578-05	WB-305-BOT	SOIL	Nickel	11.0		0.11	2.38	mg/Kg
P4578-05	WB-305-BOT	SOIL	Potassium	834		34.1	119	mg/Kg
P4578-05	WB-305-BOT	SOIL	Silver	0.48	J	0.062	0.59	mg/Kg
P4578-05	WB-305-BOT	SOIL	Sodium	881		42.9	119	mg/Kg
P4578-05	WB-305-BOT	SOIL	Vanadium	10.5		0.32	2.38	mg/Kg
P4578-05	WB-305-BOT	SOIL	Zinc	31.0		0.13	2.38	mg/Kg
Client ID : WB-305-BOT-1								
P4578-07	WB-305-BOT-1	SOIL	Aluminum	3510		2.23	4.63	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Arsenic	1.74		0.27	0.93	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Barium	21.0		0.59	4.63	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Beryllium	0.33		0.011	0.28	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Cadmium	0.92		0.015	0.28	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Calcium	3810		2.59	92.5	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Chromium	11.7		0.050	0.46	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Cobalt	4.56		0.054	1.39	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Copper	11.5		0.44	0.93	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Iron	9770		2.49	4.63	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Lead	8.83		0.14	0.56	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Magnesium	2040		3.17	92.5	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Manganese	114		0.066	0.93	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Mercury	0.036		0.0060	0.014	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Nickel	9.39		0.083	1.85	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Potassium	754		26.6	92.5	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Silver	0.38	J	0.048	0.46	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Sodium	773		33.4	92.5	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Vanadium	10.1		0.25	1.85	mg/Kg
P4578-07	WB-305-BOT-1	SOIL	Zinc	25.6		0.10	1.85	mg/Kg