

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	NJEPH	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :	SW3510		

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:45	03/11/25 11:11	PB167056

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units	
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	6.15	J	1	6.13	31.9	ug/l	FC068394.D
Aliphatic C12-C16	Aliphatic C12-C16	16.2	J	1	3.84	21.3	ug/l	FC068394.D
Aliphatic C16-C21	Aliphatic C16-C21	70.0		1	5.47	31.9	ug/l	FC068394.D
Aliphatic C21-C28	Aliphatic C21-C28	9.54	U	1	9.54	42.6	ug/l	FC068394.D
Aliphatic C28-C40	Aliphatic C28-C40	44.9	J	1	18.1	63.8	ug/l	FC068394.D
Aromatic C10-C12	Aromatic C10-C12	4.47	J	1	3.53	21.3	ug/l	FD049184.D
Aromatic C12-C16	Aromatic C12-C16	9.43	J	1	3.93	31.9	ug/l	FD049184.D
Aromatic C16-C21	Aromatic C16-C21	162		1	13.5	53.2	ug/l	FD049184.D
Aromatic C21-C36	Aromatic C21-C36	46.8	J	1	26.8	85.1	ug/l	FD049184.D
Total AliphaticEPH	Total AliphaticEPH	137	J		43.1	192	ug/l	
Total AromaticEPH	Total AromaticEPH	223			47.8	192	ug/l	
Total EPH	Total EPH	360	J		90.8	383	ug/l	

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

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FC068394.D	1	03/10/25	03/11/25	PB167056

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Aliphatic C28-C40	Aliphatic C28-C40	44.9	J	18.1	63.8	ug/l
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1514-07	Acq On:	11 Mar 2025 11:11
Client Sample ID:	ENV-105-GW01	Operator:	YP/AJ
Data file:	FC068394.D	Misc:	
Instrument:	FID_C	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.364	422676	2.889	300	ug/ml
Aliphatic C12-C16	6.365	9.747	1074443	7.62	200	ug/ml
Aliphatic C16-C21	9.748	13.100	4509699	32.918	300	ug/ml
Aliphatic C21-C28	13.101	16.752	439984	3.352	400	ug/ml
Aliphatic C28-C40	16.753	21.552	2433160	21.082	600	ug/ml
Aliphatic EPH	3.101	21.552	8879962	67.862		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.847	12.847	4323331	37.33		ug/ml
Aliphatic C9-C28	3.101	16.752	6446802	46.779	1200	ug/ml