284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 09:20	03/11/25 1:03	PB167058

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.46	U	1	0.46	1.21	mg/kg	FE052718.D
Aliphatic C12-C16	Aliphatic C12-C16	0.29	U	1	0.29	0.81	mg/kg	FE052718.D
Aliphatic C16-C21	Aliphatic C16-C21	0.36	U	1	0.36	1.21	mg/kg	FE052718.D
Aliphatic C21-C28	Aliphatic C21-C28	0.97	U	1	0.97	1.61	mg/kg	FE052718.D
Aliphatic C28-C40	Aliphatic C28-C40	2.18	U	1	2.18	2.42	mg/kg	FE052718.D
Aromatic C10-C12	Aromatic C10-C12	0.36	U	1	0.36	0.81	mg/kg	FF015639.D
Aromatic C12-C16	Aromatic C12-C16	0.76	J	1	0.41	1.21	mg/kg	FF015639.D
Aromatic C16-C21	Aromatic C16-C21	3.84		1	1.16	2.02	mg/kg	FF015639.D
Aromatic C21-C36	Aromatic C21-C36	3.72		1	2.42	3.22	mg/kg	FF015639.D
Total AliphaticEPH	Total AliphaticEPH	4.26	U		4.26	7.26	mg/kg	
Total AromaticEPH	Total AromaticEPH	8.31			4.35	7.26	mg/kg	
Total EPH	Total EPH	8.61	U		8.61	14.5	mg/kg	

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
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052718.D	1	03/10/25	03/11/25	PB167058

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.46	U	0.46	1.21	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16		0.29	U	0.29	0.81	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21		0.36	U	0.36	1.21	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		0.97	U	0.97	1.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.18	U	2.18	2.42	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		0.00		40 - 140	0%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1488-09	Acq On:	11 Mar 2025 01:03
Client Sample ID:	ENV-104-SB01	Operator:	YP\AJ
Data file:	FE052718.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	134980	0.866	300	ug/ml
Aliphatic C12-C16	6.797	10.250	116104	0.763	200	ug/ml
Aliphatic C16-C21	10.251	13.630	0	0	300	ug/ml
Aliphatic C21-C28	13.631	17.305	0	0	400	ug/ml
Aliphatic C28-C40	17.306	22.234	0	0	600	ug/ml
Aliphatic EPH	3.151	22.234	251084	1.629		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	13.358	13.358	5213495	42.94		ug/ml
Aliphatic C9-C28	3.151	17.305	251084	1.629	1200	ug/ml