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:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-172-SB01	SDG No.:	Q1415
Lab Sample ID:	Q1415-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 13:10	02/28/25 13:26	PB166923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.44	U	1	0.44	1.15	mg/kg	FC068326.D
Aliphatic C12-C16	Aliphatic C12-C16	0.66	J	1	0.28	0.77	mg/kg	FC068326.D
Aliphatic C16-C21	Aliphatic C16-C21	0.35	U	1	0.35	1.15	mg/kg	FC068326.D
Aliphatic C21-C28	Aliphatic C21-C28	0.92	U	1	0.92	1.54	mg/kg	FC068326.D
Aliphatic C28-C40	Aliphatic C28-C40	2.08	U	1	2.08	2.31	mg/kg	FC068326.D
Aromatic C10-C12	Aromatic C10-C12	0.35	U	1	0.35	0.77	mg/kg	FD049134.D
Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.39	1.15	mg/kg	FD049134.D
Aromatic C16-C21	Aromatic C16-C21	1.32	J	1	1.11	1.92	mg/kg	FD049134.D
Aromatic C21-C36	Aromatic C21-C36	2.31	U	1	2.31	3.07	mg/kg	FD049134.D
Total AliphaticEPH	Total AliphaticEPH	4.06	U		4.06	6.92	mg/kg	
Total AromaticEPH	Total AromaticEPH	4.16	U		4.16	6.91	mg/kg	
Total EPH	Total EPH	8.22	U		8.22	13.8	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
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Aromatic C12-C16	Aromatic C12-C16	0.41	J	1	0.39	1.15	mg/kg	FD049134.D
Aromatic C16-C21	Aromatic C16-C21	1.32	J	1	1.11	1.92	mg/kg	FD049134.D
Aromatic C21-C36	Aromatic C21-C36	2.31	U	1	2.31	3.07	mg/kg	FD049134.D
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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068326.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12		0.44	U	0.44	1.15	mg/kg
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Aliphatic C21-C28	Aliphatic C21-C28		0.92	U	0.92	1.54	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.08	U	2.08	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		40.9		40 - 140	82%	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:	Q1415-02	Acq On:	28 Feb 2025 13:26
Client Sample ID:	B-172-SB01	Operator:	YP/AJ
Data file:	FC068326.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	3.104	6.369	495963	3.517	300	ug/ml
Aliphatic C12-C16	6.370	9.754	1170303	8.564	200	ug/ml
Aliphatic C16-C21	9.755	13.107	581055	4.414	300	ug/ml
Aliphatic C21-C28	13.108	16.761	488917	3.985	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2673478	25.995	600	ug/ml
Aliphatic EPH	3.104	21.565	5409716	46.475		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.839	12.839	4594404	40.85		ug/ml
Aliphatic C9-C28	3.104	16.761	2736238	20.48	1200	ug/ml