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-163-SB02	SDG No.:	Q1415
Lab Sample ID:	Q1415-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	72.4
Sample Wt/Vol:	30.03 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 14:03	PB166923

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	0.52	U	1	0.52	1.38	mg/kg	FC068327.D
Aliphatic C12-C16	Aliphatic C12-C16	0.96		1	0.33	0.92	mg/kg	FC068327.D
Aliphatic C16-C21	Aliphatic C16-C21	0.66	J	1	0.41	1.38	mg/kg	FC068327.D
Aliphatic C21-C28	Aliphatic C21-C28	1.20	J	1	1.10	1.84	mg/kg	FC068327.D
Aliphatic C28-C40	Aliphatic C28-C40	2.48	U	1	2.48	2.76	mg/kg	FC068327.D
Aromatic C10-C12	Aromatic C10-C12	0.41	U	1	0.41	0.92	mg/kg	FD049135.D
Aromatic C12-C16	Aromatic C12-C16	3.00		1	0.47	1.38	mg/kg	FD049135.D
Aromatic C16-C21	Aromatic C16-C21	2.02	J	1	1.32	2.30	mg/kg	FD049135.D
Aromatic C21-C36	Aromatic C21-C36	2.87	J	1	2.76	3.68	mg/kg	FD049135.D
Total AliphaticEPH	Total AliphaticEPH	4.85	U		4.85	8.28	mg/kg	
Total AromaticEPH	Total AromaticEPH	7.89	J		4.96	8.28	mg/kg	
Total EPH	Total EPH	10.7	J		9.81	16.6	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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Aliphatic C21-C28	Aliphatic C21-C28	1.20	J	1	1.10	1.84	mg/kg	FC068327.D
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Aromatic C12-C16	Aromatic C12-C16	3.00		1	0.47	1.38	mg/kg	FD049135.D
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Lab Sample ID:	Q1415-03	Matrix:	Solid
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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068327.D	1	02/27/25	02/28/25	PB166923

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
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Aliphatic C16-C21	Aliphatic C16-C21		0.66	J	0.41	1.38	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28		1.20	J	1.10	1.84	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.48	U	2.48	2.76	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		37.4		40 - 140	75%	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:	Q1415-03	Acq On:	28 Feb 2025 14:03
Client Sample ID:	B-163-SB02	Operator:	YP/AJ
Data file:	FC068327.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.104	6.369	705853	5.005	300	ug/ml
Aliphatic C12-C16	6.370	9.754	1427669	10.447	200	ug/ml
Aliphatic C16-C21	9.755	13.107	938853	7.132	300	ug/ml
Aliphatic C21-C28	13.108	16.761	1595637	13.005	400	ug/ml
Aliphatic C28-C40	16.762	21.565	2528112	24.581	600	ug/ml
Aliphatic EPH	3.104	21.565	7196124	60.171		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.839	12.839	4203916	37.38		ug/ml
Aliphatic C9-C28	3.104	16.761	4668012	35.589	1200	ug/ml