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:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BS	SDG No.:	P5299
Lab Sample ID:	PB165775BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/19/24 14:05	12/20/24 11:10	PB165775

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C9-C12	Aliphatic C9-C12	5.50		1	0.38	1.00	mg/kg	FC068061.D
Aliphatic C12-C16	Aliphatic C12-C16	5.33		1	0.24	0.67	mg/kg	FC068061.D
Aliphatic C16-C21	Aliphatic C16-C21	8.99		1	0.30	1.00	mg/kg	FC068061.D
Aliphatic C21-C28	Aliphatic C21-C28	12.4		1	0.80	1.33	mg/kg	FC068061.D
Aliphatic C28-C40	Aliphatic C28-C40	22.4		1	1.80	2.00	mg/kg	FC068061.D
Aromatic C10-C12	Aromatic C10-C12	4.61		1	0.30	0.67	mg/kg	FD048899.D
Aromatic C12-C16	Aromatic C12-C16	8.67		1	0.34	1.00	mg/kg	FD048899.D
Aromatic C16-C21	Aromatic C16-C21	17.8		1	0.96	1.67	mg/kg	FD048899.D
Aromatic C21-C36	Aromatic C21-C36	29.1		1	2.00	2.67	mg/kg	FD048899.D
Total AliphaticEPH	Total AliphaticEPH	54.6			3.52	6.00	mg/kg	
Total AromaticEPH	Total AromaticEPH	60.2			3.60	6.01	mg/kg	
Total EPH	Total EPH	115			7.12	12.0	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

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:	
Project:	Amtrak Sawtooth Bridges 2024	Date Received:	
Client Sample ID:	PB165775BS	SDG No.:	P5299
Lab Sample ID:	PB165775BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068061.D	1	12/19/24	12/20/24	PB165775

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	5.50		0.38	1.00	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	5.33		0.24	0.67	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	8.99		0.30	1.00	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	12.4		0.80	1.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.0		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

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

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB165775BS	Acq On:	20 Dec 2024 11:10
Client Sample ID:	PB165775BS	Operator:	YP/AJ
Data file:	FC068061.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.389	13054415	82.465	300	ug/ml
Aliphatic C12-C16	6.390	9.779	12817154	79.97	200	ug/ml
Aliphatic C16-C21	9.780	13.137	20559850	134.94	300	ug/ml
Aliphatic C21-C28	13.138	16.791	25414808	186.347	400	ug/ml
Aliphatic C28-C40	16.792	21.609	35644993	336.386	600	ug/ml
Aliphatic EPH	3.117	21.609	107491220	820.108		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.870	12.870	6377412	49.98		ug/ml
Aliphatic C9-C28	3.117	16.791	71846227	483.722	1200	ug/ml