

Report of Analysis

Client:	Union Paving & Construction Company		Date Collected:		
Project:	Rt. 10 Whippany		Date Received:		
Client Sample ID:	PB164589BSD		SDG No.:	P4663	
Lab Sample ID:	PB164589BSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	100	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
11/01/24 08:50	11/01/24 16:33	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1	1.80	2.00	mg/kg	FE050967.D
Aliphatic C9-C28	Aliphatic C9-C28	66.7		1	1.72	4.00	mg/kg	FE050967.D
Total AliphaticEPH	Total AliphaticEPH	87.1			3.52	6.00	mg/kg	
Total EPH	Total EPH	87.1			3.52	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

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
FE050967.D	1	11/01/24	11/01/24	PB164589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	66.7		1.72	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.4		1.80	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.9		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB164589BSD	Acq On:	01 Nov 2024 16:33
Client Sample ID:	PB164589BSD	Operator:	YP\AJ
Data file:	FE050967.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	186018226	1310		ug/ml
ortho-Terphenyl (SURR)	11.856	11.856	6076382	38.54		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	4838219	40.9		ug/ml
Aliphatic C9-C12	3.143	6.761	27996925	195.92	300	ug/ml
Aliphatic C12-C16	6.762	10.193	33997830	234.277	200	ug/ml
Aliphatic C16-C21	10.194	13.552	37985095	263.052	300	ug/ml
Aliphatic C21-C28	13.553	17.208	43801068	308.122	400	ug/ml
Aliphatic C28-C40	17.209	22.051	42237308	305.396	600	ug/ml
Aliphatic C9-C28	3.143	17.208	143780918	1000	1200	ug/ml