

Report of Analysis

Client:	Union Paving & Construction Company		Date Collected:		
Project:	Rt. 10 Whippany		Date Received:		
Client Sample ID:	BP-F8MSD		SDG No.:	P4663	
Lab Sample ID:	P4643-05MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	82.8	
Sample Wt/Vol:	30.06	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 20:34	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	35.0		1	2.17	2.41	mg/kg	FE050975.D
Aliphatic C9-C28	Aliphatic C9-C28	97.3	E	1	2.07	4.83	mg/kg	FE050975.D
Total AliphaticEPH	Total AliphaticEPH	132			4.24	7.24	mg/kg	
Total EPH	Total EPH	132			4.24	7.24	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
FE050975.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	97.3	E	2.07	4.83	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	35.0		2.17	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.9		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.2		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4643-05MSD	Acq On:	01 Nov 2024 20:34
Client Sample ID:	BP-F8MSD	Operator:	YP\AJ
Data file:	FE050975.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	234089583	1650		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	6493005	41.18		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	5071838	42.88		ug/ml
Aliphatic C9-C12	3.143	6.761	27907709	195.295	300	ug/ml
Aliphatic C12-C16	6.762	10.193	39799820	274.258	200	ug/ml
Aliphatic C16-C21	10.194	13.552	47868511	331.497	300	ug/ml
Aliphatic C21-C28	13.553	17.208	58358756	410.529	400	ug/ml
Aliphatic C28-C40	17.209	22.051	60154787	434.948	600	ug/ml
Aliphatic C9-C28	3.143	17.208	173934796	1210	1200	ug/ml