

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-3	SDG No.:	P4663
Lab Sample ID:	P4663-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.04 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	11/05/24 10:42	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	80.2		2	3.94	4.38	mg/kg	FE051024.D
Aliphatic C9-C28	Aliphatic C9-C28	5.86		1	1.88	4.39	mg/kg	FE050987.D
Total AliphaticEPH	Total AliphaticEPH	86.1			5.82	8.77	mg/kg	
Total EPH	Total EPH	86.1			5.82	8.77	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050987.D	1	11/01/24	11/02/24	PB164589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.86		1.88	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.8	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.8		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.5		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4663-06	Acq On:	02 Nov 2024 03:37
Client Sample ID:	RES-BUILDING-PAD-NO.	Operator:	YP\AJ
Data file:	FE050987.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	149756742	1080		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	7023173	44.55		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	5294133	44.75		ug/ml
Aliphatic C9-C12	3.143	6.761	261751	1.832	300	ug/ml
Aliphatic C12-C16	6.762	10.193	937364	6.459	200	ug/ml
Aliphatic C16-C21	10.194	13.552	6679754	46.258	300	ug/ml
Aliphatic C21-C28	13.553	17.208	3913685	27.531	400	ug/ml
Aliphatic C28-C40	17.209	22.051	137964188	997.548	600	ug/ml
Aliphatic C9-C28	3.143	17.208	11792554	82.08	1200	ug/ml