

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-2		SDG No.:	P4663	
Lab Sample ID:	P4663-08		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	91.3	
Sample Wt/Vol:	30.09	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	11/02/24 4:08	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.1		1	1.97	2.18	mg/kg	FE050988.D
Aliphatic C9-C28	Aliphatic C9-C28	1.88	U	1	1.88	4.37	mg/kg	FE050988.D
Total AliphaticEPH	Total AliphaticEPH	14.1			3.85	6.55	mg/kg	
Total EPH	Total EPH	14.1			3.85	6.55	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
FE050988.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	0.000	U	1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.1		1.97	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4663-08	Acq On:	02 Nov 2024 04:08
Client Sample ID:	RES-BUILDING-PAD-NO.	Operator:	YP\AJ
Data file:	FE050988.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	30211750	217.573		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	4154624	26.35		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3149331	26.62		ug/ml
Aliphatic C9-C12	3.143	6.761	235582	1.649	300	ug/ml
Aliphatic C12-C16	6.762	10.193	803807	5.539	200	ug/ml
Aliphatic C16-C21	10.194	13.552	867271	6.006	300	ug/ml
Aliphatic C21-C28	13.553	17.208	1428789	10.051	400	ug/ml
Aliphatic C28-C40	17.209	22.051	26876301	194.329	600	ug/ml
Aliphatic C9-C28	3.143	17.208	3335449	23.245	1200	ug/ml