

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:	TENNANT-PAD-2-3-STOCKPILE		SDG No.:	P4663	
Lab Sample ID:	P4663-02		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	90.9	
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	11/02/24 2:37	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	33.0		1	1.98	2.20	mg/kg	FE050985.D
Aliphatic C9-C28	Aliphatic C9-C28	2.48	J	1	1.89	4.40	mg/kg	FE050985.D
Total AliphaticEPH	Total AliphaticEPH	35.5			3.87	6.60	mg/kg	
Total EPH	Total EPH	35.5			3.87	6.60	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
FE050985.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	2.48	J	1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.0		1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.6		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4663-02	Acq On:	02 Nov 2024 02:37
Client Sample ID:	TENNANT-PAD-2-3-STOC	Operator:	YP\AJ
Data file:	FE050985.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	67407254	486.12		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	4661640	29.57		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3550395	30.01		ug/ml
Aliphatic C9-C12	3.143	6.761	239825	1.678	300	ug/ml
Aliphatic C12-C16	6.762	10.193	731082	5.038	200	ug/ml
Aliphatic C16-C21	10.194	13.552	1443120	9.994	300	ug/ml
Aliphatic C21-C28	13.553	17.208	2666683	18.759	400	ug/ml
Aliphatic C28-C40	17.209	22.051	62326544	450.651	600	ug/ml
Aliphatic C9-C28	3.143	17.208	5080710	35.469	1200	ug/ml