

Report of Analysis

Client:	PSEG	Date Collected:	05/16/25
Project:	Moorestown	Date Received:	05/16/25
Client Sample ID:	CONCRETE-PAD-05162025	SDG No.:	Q2070
Lab Sample ID:	Q2070-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/19/25 09:13	05/19/25 20:00	PB168051

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.62		1	1.18	2.00	mg/kg	FE053903.D
Aliphatic C9-C28	Aliphatic C9-C28	4.10		1	0.91	3.99	mg/kg	FE053903.D
Total AliphaticEPH	Total AliphaticEPH	11.7			2.09	5.99	mg/kg	
Total EPH	Total EPH	11.7			2.09	5.99	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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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053903.D	1	05/19/25	05/19/25	PB168051

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.10		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.62		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.6		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.0		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2070-01	Acq On:	19 May 2025 20:00
Client Sample ID:	CONCRETE-PAD-0516202	Operator:	YP\AJ
Data file:	FE053903.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.743	298875	2.205	300	ug/ml
Aliphatic C12-C16	6.744	10.191	521314	3.863	200	ug/ml
Aliphatic C16-C21	10.192	13.567	7345213	55.683	300	ug/ml
Aliphatic C21-C28	13.568	17.237	951590	7.663	400	ug/ml
Aliphatic C28-C40	17.238	22.125	13219663	114.525	600	ug/ml
Aliphatic EPH	3.099	22.125	22336655	183.939		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	6664169	41.01		ug/ml
1-chlorooctadecane (SURR)	13.298	13.298	5173310	43.64		ug/ml
Aliphatic C9-C28	3.099	17.237	9116992	69.414	1200	ug/ml