

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Moorestown	Date Received:	06/27/25
Client Sample ID:	CONCRETE-PAD-6-27-25	SDG No.:	Q2445
Lab Sample ID:	Q2445-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/30/25 08:50	06/30/25 15:23	PB168656

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.91		1	1.18	2.00	mg/kg	FE054628.D
Aliphatic C9-C28	Aliphatic C9-C28	1390		50	45.5	200	mg/kg	FE054647.D
Total AliphaticEPH	Total AliphaticEPH	1400			46.6	202	mg/kg	
Total EPH	Total EPH	1400			46.6	202	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

Report of Analysis

Client:	PSEG	Date Collected:	06/27/25
Project:	Moorestown	Date Received:	06/27/25
Client Sample ID:	CONCRETE-PAD-6-27-25	SDG No.:	Q2445
Lab Sample ID:	Q2445-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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
FE054628.D	1	06/30/25	06/30/25	PB168656

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1210	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.91		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.6		40 - 140	69%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	66.9		40 - 140	134%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2445-01	Acq On:	30 Jun 2025 15:23
Client Sample ID:	CONCRETE-PAD-6-27-25	Operator:	YP\AJ
Data file:	FE054628.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.949	3698173	27.181	300	ug/ml
Aliphatic C12-C16	6.950	10.397	55111761	392.064	200	ug/ml
Aliphatic C16-C21	10.398	13.771	2080960136	14400	300	ug/ml
Aliphatic C21-C28	13.772	17.439	496235005	3430	400	ug/ml
Aliphatic C28-C40	17.440	22.445	14382307	103.733	600	ug/ml
Aliphatic EPH	3.322	22.445	2650387382	18400		ug/ml
ortho-Terphenyl (SURR)	12.091	12.091	10870439	66.94		ug/ml
1-chlorooctadecane (SURR)	13.544	13.544	4369777	34.6		ug/ml
Aliphatic C9-C28	3.322	17.439	2636005075	18300	1200	ug/ml