

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Moorestown	Date Received:	06/23/25
Client Sample ID:	M00-25-0179-E2	SDG No.:	Q2398
Lab Sample ID:	Q2398-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/26/25 11:00	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3280		100	186	315	mg/kg	FE054601.D
Aliphatic C9-C28	Aliphatic C9-C28	174		5	7.18	31.5	mg/kg	FE054600.D
Total AliphaticEPH	Total AliphaticEPH	3450			193	347	mg/kg	
Total EPH	Total EPH	3450			193	347	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:	06/23/25
Project:	Moorestown	Date Received:	06/23/25
Client Sample ID:	M00-25-0179-E2	SDG No.:	Q2398
Lab Sample ID:	Q2398-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.3
Sample Wt/Vol:	30.05 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
FE054587.D	1	06/25/25	06/25/25	PB168609

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	162	E	1.44	6.31	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2930	E	1.86	3.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.9		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2398-04	Acq On:	25 Jun 2025 21:24
Client Sample ID:	M00-25-0179-E2	Operator:	YP\AJ
Data file:	FE054587.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	1864748	14.888	300	ug/ml
Aliphatic C12-C16	6.717	10.163	5858835	44.672	200	ug/ml
Aliphatic C16-C21	10.164	13.535	57462910	429.065	300	ug/ml
Aliphatic C21-C28	13.536	17.204	135205640	1060	400	ug/ml
Aliphatic C28-C40	17.205	22.072	3572809683	27900	600	ug/ml
Aliphatic EPH	3.071	22.072	3773201816	29400		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	4990103	30.2		ug/ml
1-chlorooctadecane (SURR)	13.273	13.273	3397874	27.86		ug/ml
Aliphatic C9-C28	3.071	17.204	200392133	1550	1200	ug/ml