

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Moorestown	Date Received:	06/23/25
Client Sample ID:	ARS20-0036	SDG No.:	Q2398
Lab Sample ID:	Q2398-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/25/25 09:15	06/25/25 14:46	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1	1.34	2.27	mg/kg	FE054574.D
Aliphatic C9-C28	Aliphatic C9-C28	3390		100	103	453	mg/kg	FE054595.D
Total AliphaticEPH	Total AliphaticEPH	3410			105	455	mg/kg	
Total EPH	Total EPH	3410			105	455	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
FE054574.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	3030	E	1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.3		1.34	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.0		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	58.4		40 - 140	117%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2398-06	Acq On:	25 Jun 2025 14:46
Client Sample ID:	ARS20-0036	Operator:	YP\AJ
Data file:	FE054574.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	2115285	16.888	300	ug/ml
Aliphatic C12-C16	6.717	10.163	480921514	3670	200	ug/ml
Aliphatic C16-C21	10.164	13.535	3413612772	25500	300	ug/ml
Aliphatic C21-C28	13.536	17.204	1393104155	11000	400	ug/ml
Aliphatic C28-C40	17.205	22.072	37745479	294.322	600	ug/ml
Aliphatic EPH	3.071	22.072	5327499205	40400		ug/ml
ortho-Terphenyl (SURR)	11.865	11.865	9646761	58.38		ug/ml
1-chlorooctadecane (SURR)	13.319	13.319	3901589	31.99		ug/ml
Aliphatic C9-C28	3.071	17.204	5289753726	40100	1200	ug/ml