

Report of Analysis

Client:	PSEG	Date Collected:	06/23/25
Project:	Moorestown	Date Received:	06/23/25
Client Sample ID:	ARS20-0036-E2	SDG No.:	Q2398
Lab Sample ID:	Q2398-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.8
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	06/25/25 15:17	PB168609

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	24.9		1	1.30	2.20	mg/kg FE054575.D
Aliphatic C9-C28	Aliphatic C9-C28	4400		100	100	437	mg/kg FE054596.D
Total AliphaticEPH	Total AliphaticEPH	4420			101	440	mg/kg
Total EPH	Total EPH	4420			101	440	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
FE054575.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	3760	E	1.00	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.9		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	51.4		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	60.1		40 - 140	120%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2398-07	Acq On:	25 Jun 2025 15:17
Client Sample ID:	ARS20-0036-E2	Operator:	YP\AJ
Data file:	FE054575.D	Misc:	
Instrument:	FID_E	ALS Vial:	7
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.071	6.716	2459330	19.635	300	ug/ml
Aliphatic C12-C16	6.717	10.163	591515093	4510	200	ug/ml
Aliphatic C16-C21	10.164	13.535	4563542637	34100	300	ug/ml
Aliphatic C21-C28	13.536	17.204	1613685997	12700	400	ug/ml
Aliphatic C28-C40	17.205	22.072	43561133	339.67	600	ug/ml
Aliphatic EPH	3.071	22.072	6814764190	51600		ug/ml
ortho-Terphenyl (SURR)	11.877	11.877	9938883	60.15		ug/ml
1-chlorooctadecane (SURR)	13.328	13.328	6270563	51.42		ug/ml
Aliphatic C9-C28	3.071	17.204	6771203057	51300	1200	ug/ml