

Report of Analysis

Client:	PSEG	Date Collected:	05/12/25
Project:	Moorestown	Date Received:	05/12/25
Client Sample ID:	MOO-25-0134	SDG No.:	Q2014
Lab Sample ID:	Q2014-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/14/25 09:30	05/14/25 20:04	PB167999

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1	1.30	2.20	mg/kg FE053826.D
Aliphatic C9-C28	Aliphatic C9-C28	1620		50	50.1	220	mg/kg FE053837.D
Total AliphaticEPH	Total AliphaticEPH	1630			51.4	223	mg/kg
Total EPH	Total EPH	1630			51.4	223	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
FE053826.D	1	05/14/25	05/14/25	PB167999

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1400	E	1.00	4.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.4		1.30	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	57.3		40 - 140	115%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2014-01	Acq On:	14 May 2025 20:04
Client Sample ID:	MOO-25-0134	Operator:	YP\AJ
Data file:	FE053826.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.101	6.742	9749229	71.916	300	ug/ml
Aliphatic C12-C16	6.743	10.189	244779504	1810	200	ug/ml
Aliphatic C16-C21	10.190	13.562	1491565805	11400	300	ug/ml
Aliphatic C21-C28	13.563	17.229	738432581	5950	400	ug/ml
Aliphatic C28-C40	17.230	22.109	24176120	209.443	600	ug/ml
Aliphatic EPH	3.101	22.109	2508703239	19300		ug/ml
ortho-Terphenyl (SURR)	11.868	11.868	9311234	57.3		ug/ml
1-chlorooctadecane (SURR)	13.319	13.319	3963284	33.43		ug/ml
Aliphatic C9-C28	3.101	17.229	2484527119	19100	1200	ug/ml