

Report of Analysis

Client:	PSEG	Date Collected:	11/08/24
Project:	Moorestown	Date Received:	11/08/24
Client Sample ID:	M00-24-00345	SDG No.:	P4793
Lab Sample ID:	P4793-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.09	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/10/24 08:35	11/12/24 10:04	PB164844

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26800		500	5300	5890	mg/kg FE051168.D
Aliphatic C9-C28	Aliphatic C9-C28	95700		500	5070	11800	mg/kg FE051168.D
Total AliphaticEPH	Total AliphaticEPH	123000			10400	17700	mg/kg
Total EPH	Total EPH	123000			10400	17700	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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Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.09 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
FE051159.D	1	11/10/24	11/11/24	PB164844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	89400	E	10.1	23.6	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25700	E	10.6	11.8	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	0.00		40 - 140	0%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4793-01	Acq On:	11 Nov 2024 20:44
Client Sample ID:	M00-24-00345	Operator:	YP\AJ
Data file:	FE051159.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.140	22.059	38991835036	293000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	0.000	0.000	0	0		ug/ml
Aliphatic C9-C12	3.140	6.760	21312536	152.325	300	ug/ml
Aliphatic C12-C16	6.761	10.193	20806762	147.948	200	ug/ml
Aliphatic C16-C21	10.194	13.553	2768663890	20100	300	ug/ml
Aliphatic C21-C28	13.554	17.209	27761896079	207000	400	ug/ml
Aliphatic C28-C40	17.210	22.059	8419155769	65400	600	ug/ml
Aliphatic C9-C28	3.140	17.209	30572679267	228000	1200	ug/ml