

Report of Analysis

Client:	PSEG	Date Collected:	02/24/25
Project:	PSEG 278 Oraton Pkwy	Date Received:	02/24/25
Client Sample ID:	TP-2-WC-EPH	SDG No.:	Q1420
Lab Sample ID:	Q1420-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/25/25 08:35	02/25/25 19:50	PB166852

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.3		1	2.02	2.24	mg/kg	FE052500.D
Aliphatic C9-C28	Aliphatic C9-C28	2.32	J	1	1.93	4.48	mg/kg	FE052500.D
Total AliphaticEPH	Total AliphaticEPH	18.6			3.95	6.72	mg/kg	
Total EPH	Total EPH	18.6			3.95	6.72	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
FE052500.D	1	02/25/25	02/25/25	PB166852

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.32	J	1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.3		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1420-06	Acq On:	25 Feb 2025 19:50
Client Sample ID:	TP-2-WC-EPH	Operator:	YP\AJ
Data file:	FE052500.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.800	1134750	7.281	300	ug/ml
Aliphatic C12-C16	6.801	10.255	671338	4.183	200	ug/ml
Aliphatic C16-C21	10.256	13.635	1079139	6.723	300	ug/ml
Aliphatic C21-C28	13.636	17.309	2005064	12.902	400	ug/ml
Aliphatic C28-C40	17.310	22.233	28621032	218.507	600	ug/ml
Aliphatic EPH	3.155	22.233	33511323	249.597		ug/ml
ortho-Terphenyl (SURR)	11.921	11.921	5323058	28.48		ug/ml
1-chlorooctadecane (SURR)	13.366	13.366	4186324	30.12		ug/ml
Aliphatic C9-C28	3.155	17.309	4890291	31.089	1200	ug/ml