

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	PSEG 14th St	Date Received:	04/10/25
Client Sample ID:	WC-12	SDG No.:	Q1781
Lab Sample ID:	Q1781-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/11/25 09:40	04/11/25 18:12	PB167562

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.88		1	1.36	2.31	mg/kg	FE053329.D
Aliphatic C9-C28	Aliphatic C9-C28	2.55	J	1	1.05	4.63	mg/kg	FE053329.D
Total AliphaticEPH	Total AliphaticEPH	10.4			2.41	6.94	mg/kg	
Total EPH	Total EPH	10.4			2.41	6.94	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
FE053329.D	1	04/11/25	04/11/25	PB167562

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.55	J	1.05	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.88		1.36	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.3		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.6		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1781-05	Acq On:	11 Apr 2025 18:12
Client Sample ID:	WC-12	Operator:	YP\AJ
Data file:	FE053329.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.780	553310	3.546	300	ug/ml
Aliphatic C12-C16	6.781	10.230	1491139	9.706	200	ug/ml
Aliphatic C16-C21	10.231	13.608	1303495	9.031	300	ug/ml
Aliphatic C21-C28	13.609	17.279	1459224	10.862	400	ug/ml
Aliphatic C28-C40	17.280	22.185	12713258	102.315	600	ug/ml
Aliphatic EPH	3.137	22.185	17520426	135.459		ug/ml
ortho-Terphenyl (SURR)	11.890	11.890	4988137	30.62		ug/ml
1-chlorooctadecane (SURR)	13.334	13.334	3881365	32.33		ug/ml
Aliphatic C9-C28	3.137	17.279	4807168	33.145	1200	ug/ml