

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	PSEG 14th St	Date Received:	04/10/25
Client Sample ID:	WC-13-EPH	SDG No.:	Q1781
Lab Sample ID:	Q1781-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.9
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
04/11/25 09:40	04/11/25 17:42	PB167562

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	9.96		1	1.40	2.38	mg/kg FE053328.D
Aliphatic C9-C28	Aliphatic C9-C28	6.46		1	1.08	4.76	mg/kg FE053328.D
Total AliphaticEPH	Total AliphaticEPH	16.4			2.48	7.14	mg/kg
Total EPH	Total EPH	16.4			2.48	7.14	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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Sample Wt/Vol:	30.04 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
FE053328.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	6.46		1.08	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.96		1.40	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.9		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.0		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1781-02	Acq On:	11 Apr 2025 17:42
Client Sample ID:	WC-13-EPH	Operator:	YP\AJ
Data file:	FE053328.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.780	590304	3.783	300	ug/ml
Aliphatic C12-C16	6.781	10.230	1838502	11.967	200	ug/ml
Aliphatic C16-C21	10.231	13.608	3955963	27.408	300	ug/ml
Aliphatic C21-C28	13.609	17.279	5147282	38.313	400	ug/ml
Aliphatic C28-C40	17.280	22.185	15590704	125.472	600	ug/ml
Aliphatic EPH	3.137	22.185	27122755	206.943		ug/ml
ortho-Terphenyl (SURR)	11.890	11.890	5540734	34.02		ug/ml
1-chlorooctadecane (SURR)	13.334	13.334	4429691	36.9		ug/ml
Aliphatic C9-C28	3.137	17.279	11532051	81.471	1200	ug/ml