

Report of Analysis

Client:	PSEG	Date Collected:	04/16/25
Project:	Central Ave Substation	Date Received:	04/16/25
Client Sample ID:	CONCRETE-FLOOR	SDG No.:	Q1826
Lab Sample ID:	Q1826-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/17/25 11:10	04/17/25 16:12	PB167630

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.81	J	1	1.18	2.00	mg/kg	FE053399.D
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	1	0.91	3.99	mg/kg	FE053399.D
Total AliphaticEPH	Total AliphaticEPH	5.31	J		2.09	5.99	mg/kg	
Total EPH	Total EPH	5.31	J		2.09	5.99	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:	30.05 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
FE053399.D	1	04/17/25	04/17/25	PB167630

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.81	J	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	64.0		40 - 140	128%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	62.5		40 - 140	125%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1826-05	Acq On:	17 Apr 2025 16:12
Client Sample ID:	CONCRETE-FLOOR	Operator:	YP\AJ
Data file:	FE053399.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.127	6.767	1138766	8.218	300	ug/ml
Aliphatic C12-C16	6.768	10.216	907692	6.401	200	ug/ml
Aliphatic C16-C21	10.217	13.591	1195882	8.227	300	ug/ml
Aliphatic C21-C28	13.592	17.260	4225938	29.724	400	ug/ml
Aliphatic C28-C40	17.261	22.153	3517877	27.26	600	ug/ml
Aliphatic EPH	3.127	22.153	10986155	79.83		ug/ml
ortho-Terphenyl (SURR)	11.882	11.882	11281881	62.55		ug/ml
1-chlorooctadecane (SURR)	13.326	13.326	8646606	63.97		ug/ml
Aliphatic C9-C28	3.127	17.260	7468278	52.57	1200	ug/ml