

Report of Analysis

Client:	PSEG	Date Collected:	04/21/25
Project:	Central Ave Substation	Date Received:	04/21/25
Client Sample ID:	CONCRETE-PILE-N-C-LOT	SDG No.:	Q1850
Lab Sample ID:	Q1850-01	Matrix:	Solid
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 :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/22/25 09:40	04/23/25 9:12	PB167690

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	127		10	11.8	20.0	mg/kg	FE053495.D
Aliphatic C9-C28	Aliphatic C9-C28	333		10	9.09	39.9	mg/kg	FE053495.D
Total AliphaticEPH	Total AliphaticEPH	460			20.9	59.9	mg/kg	
Total EPH	Total EPH	460			20.9	59.9	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
FE053483.D	1	04/22/25	04/23/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	288	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	117	E	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.8		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1850-01	Acq On:	23 Apr 2025 00:18
Client Sample ID:	CONCRETE-PILE-N-C-LC	Operator:	YP\AJ
Data file:	FE053483.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	9820259	70.872	300	ug/ml
Aliphatic C12-C16	6.765	10.214	160428487	1130	200	ug/ml
Aliphatic C16-C21	10.215	13.590	226628483	1560	300	ug/ml
Aliphatic C21-C28	13.591	17.259	224327961	1580	400	ug/ml
Aliphatic C28-C40	17.260	22.156	227919576	1770	600	ug/ml
Aliphatic EPH	3.123	22.156	849124766	6110		ug/ml
ortho-Terphenyl (SURR)	11.879	11.879	5185190	28.75		ug/ml
1-chlorooctadecane (SURR)	13.325	13.325	4052198	29.98		ug/ml
Aliphatic C9-C28	3.123	17.259	621205190	4340	1200	ug/ml