

Report of Analysis

Client:	PSEG	Date Collected:	04/08/25
Project:	Central Ave Substation	Date Received:	04/08/25
Client Sample ID:	TP-1-CONCRETE	SDG No.:	Q1754
Lab Sample ID:	Q1754-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/09/25 09:51	04/09/25 23:14	PB167528

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.60		1	1.18	2.00	mg/kg	FE053291.D
Aliphatic C9-C28	Aliphatic C9-C28	5.63		1	0.91	3.99	mg/kg	FE053291.D
Total AliphaticEPH	Total AliphaticEPH	10.2			2.09	5.99	mg/kg	
Total EPH	Total EPH	10.2			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053291.D	1	04/09/25	04/09/25	PB167528

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.63		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.60		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.1		40 - 140	80%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.8		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1754-03	Acq On:	09 Apr 2025 23:14
Client Sample ID:	TP-1-CONCRETE	Operator:	YP\AJ
Data file:	FE053291.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	3.135	6.774	1319370	8.456	300	ug/ml
Aliphatic C12-C16	6.775	10.223	1501811	9.775	200	ug/ml
Aliphatic C16-C21	10.224	13.598	8106261	56.162	300	ug/ml
Aliphatic C21-C28	13.599	17.267	1369053	10.19	400	ug/ml
Aliphatic C28-C40	17.268	22.161	8577291	69.029	600	ug/ml
Aliphatic EPH	3.135	22.161	20873786	153.612		ug/ml
ortho-Terphenyl (SURR)	11.887	11.887	6323721	38.82		ug/ml
1-chlorooctadecane (SURR)	13.330	13.330	4820018	40.15		ug/ml
Aliphatic C9-C28	3.135	17.267	12296495	84.583	1200	ug/ml