

Report of Analysis

Client:	PSEG	Date Collected:	04/04/25
Project:	Hoboken Substation	Date Received:	04/04/25
Client Sample ID:	RT3069	SDG No.:	Q1737
Lab Sample ID:	Q1737-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/07/25 09:41	04/08/25 9:08	PB167476

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	76.1		5	6.72	11.4	mg/kg
Aliphatic C9-C28	Aliphatic C9-C28	141		5	5.18	22.8	mg/kg
Total AliphaticEPH	Total AliphaticEPH	218			11.9	34.2	mg/kg
Total EPH	Total EPH	218			11.9	34.2	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
FE053219.D	1	04/07/25	04/07/25	PB167476

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	125	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	64.3	E	1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.9		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1737-01	Acq On:	07 Apr 2025 18:53
Client Sample ID:	RT3069	Operator:	YP\AJ
Data file:	FE053219.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.782	2006477	12.859	300	ug/ml
Aliphatic C12-C16	6.783	10.234	12488603	81.289	200	ug/ml
Aliphatic C16-C21	10.235	13.611	174699814	1210	300	ug/ml
Aliphatic C21-C28	13.612	17.285	46208032	343.944	400	ug/ml
Aliphatic C28-C40	17.286	22.200	105299684	847.437	600	ug/ml
Aliphatic EPH	3.140	22.200	340702610	2500		ug/ml
ortho-Terphenyl (SURR)	11.902	11.902	6335124	38.89		ug/ml
1-chlorooctadecane (SURR)	13.347	13.347	3528745	29.4		ug/ml
Aliphatic C9-C28	3.140	17.285	235402926	1650	1200	ug/ml