

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Port Street Substation 69kV	Date Received:	
Client Sample ID:	289MS	SDG No.:	Q2753
Lab Sample ID:	Q2753-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.5
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
08/05/25 09:20	08/05/25 16:24	PB169120

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	117			2.25	6.48	mg/kg
Total EPH	Total EPH	117			2.25	6.48	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:	92.5
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
FE055133.D	1	08/05/25	08/05/25	PB169120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	79.8		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	37.5		1.27	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.4		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2753-01MS	Acq On:	05 Aug 2025 16:24
Client Sample ID:	Q2753-01MS	Operator:	YP\AJ
Data file:	FE055133.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	19035575	163	300	ug/ml
Aliphatic C12-C16	6.959	10.410	30610645	244.441	200	ug/ml
Aliphatic C16-C21	10.411	13.789	37808284	299.105	300	ug/ml
Aliphatic C21-C28	13.790	17.459	48557003	402.944	400	ug/ml
Aliphatic C28-C40	17.460	22.481	59348818	520.662	600	ug/ml
Aliphatic EPH	3.325	22.481	195360325	1630		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	5200254	36.42		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3979014	37.01		ug/ml
Aliphatic C9-C28	3.325	17.459	136011507	1110	1200	ug/ml