

Report of Analysis

Client:	PSEG	Date Collected:	04/02/25
Project:	PSEG Clay Street	Date Received:	04/02/25
Client Sample ID:	TT-3-EPH	SDG No.:	Q1695
Lab Sample ID:	Q1695-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/03/25 10:09	04/03/25 20:26	PB167440

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1	1.29	2.19	mg/kg FE053172.D
Aliphatic C9-C28	Aliphatic C9-C28	14.8		1	0.99	4.37	mg/kg FE053172.D
Total AliphaticEPH	Total AliphaticEPH	32.6			2.28	6.56	mg/kg
Total EPH	Total EPH	32.6			2.28	6.56	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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Sample Wt/Vol:	30.01 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
FE053172.D	1	04/03/25	04/03/25	PB167440

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.8		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	17.8		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.4		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.1		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1695-06	Acq On:	03 Apr 2025 20:26
Client Sample ID:	TT-3-EPH	Operator:	YP\AJ
Data file:	FE053172.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.779	1196174	7.666	300	ug/ml
Aliphatic C12-C16	6.780	10.229	2644256	17.212	200	ug/ml
Aliphatic C16-C21	10.230	13.605	11211617	77.677	300	ug/ml
Aliphatic C21-C28	13.606	17.275	13586708	101.131	400	ug/ml
Aliphatic C28-C40	17.276	22.175	30328767	244.082	600	ug/ml
Aliphatic EPH	3.138	22.175	58967522	447.767		ug/ml
ortho-Terphenyl (SURR)	11.894	11.894	7343536	45.08		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	5808300	48.38		ug/ml
Aliphatic C9-C28	3.138	17.275	28638755	203.686	1200	ug/ml