

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	PSEG 1500 Clinton St	Date Received:	06/05/25
Client Sample ID:	TP-3-EPH	SDG No.:	Q2240
Lab Sample ID:	Q2240-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/10/25 10:46	PB168341

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	78.2		5	7.36	12.5	mg/kg FE054279.D
Aliphatic C9-C28	Aliphatic C9-C28	2840		50	56.8	250	mg/kg FE054280.D
Total AliphaticEPH	Total AliphaticEPH	2910			64.2	262	mg/kg
Total EPH	Total EPH	2910			64.2	262	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:	80.1
Sample Wt/Vol:	30.02 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
FE054250.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2550	E	1.14	4.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	70.1	E	1.47	2.50	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.2		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.3		40 - 140	91%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2240-02	Acq On:	09 Jun 2025 17:11
Client Sample ID:	TP-3-EPH	Operator:	YP\AJ
Data file:	FE054250.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	288108536	2130	300	ug/ml
Aliphatic C12-C16	6.728	10.174	2268858658	16800	200	ug/ml
Aliphatic C16-C21	10.175	13.548	1425024345	10800	300	ug/ml
Aliphatic C21-C28	13.549	17.217	115830822	932.788	400	ug/ml
Aliphatic C28-C40	17.218	22.094	97320314	843.105	600	ug/ml
Aliphatic EPH	3.082	22.094	4195142675	31500		ug/ml
ortho-Terphenyl (SURR)	11.866	11.866	7368832	45.34		ug/ml
1-chlorooctadecane (SURR)	13.298	13.298	5243437	44.23		ug/ml
Aliphatic C9-C28	3.082	17.217	4097822361	30700	1200	ug/ml