

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG 14th-Harts Tice LN UG	Date Received:	
Client Sample ID:	PB168949BSD	SDG No.:	Q2649
Lab Sample ID:	PB168949BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/22/25 10:30	07/22/25 16:07	PB168949

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.7		1	1.18	2.00	mg/kg	FC069492.D
Aliphatic C9-C28	Aliphatic C9-C28	68.4		1	0.91	4.00	mg/kg	FC069492.D
Total AliphaticEPH	Total AliphaticEPH	95.1			2.09	6.00	mg/kg	
Total EPH	Total EPH	95.1			2.09	6.00	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069492.D	1	07/22/25	07/22/25	PB168949

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	68.4		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.7		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.9		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168949BSD	Acq On:	22 Jul 2025 16:07
Client Sample ID:	PB168949BSD	Operator:	YP/AJ
Data file:	FC069492.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.597	26487747	190.56	300	ug/ml
Aliphatic C12-C16	6.598	10.000	34282074	237.949	200	ug/ml
Aliphatic C16-C21	10.001	13.368	35811815	263.328	300	ug/ml
Aliphatic C21-C28	13.369	17.033	39776783	334.289	400	ug/ml
Aliphatic C28-C40	17.034	22.008	36009237	400.623	600	ug/ml
Aliphatic EPH	3.302	22.008	172367656	1430		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	4432872	29.87		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	3505034	31.02		ug/ml
Aliphatic C9-C28	3.302	17.033	136358419	1030	1200	ug/ml