

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG 14th-Harts Tice LN UG	Date Received:	
Client Sample ID:	PB168949BS	SDG No.:	Q2649
Lab Sample ID:	PB168949BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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 15:24	PB168949

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1	1.18	2.00	mg/kg	FC069491.D
Aliphatic C9-C28	Aliphatic C9-C28	66.9		1	0.91	3.99	mg/kg	FC069491.D
Total AliphaticEPH	Total AliphaticEPH	93.7			2.09	5.99	mg/kg	
Total EPH	Total EPH	93.7			2.09	5.99	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
FC069491.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	66.9		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.4		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB168949BS	Acq On:	22 Jul 2025 15:24
Client Sample ID:	PB168949BS	Operator:	YP/AJ
Data file:	FC069491.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.597	22155682	159.394	300	ug/ml
Aliphatic C12-C16	6.598	10.000	34712784	240.938	200	ug/ml
Aliphatic C16-C21	10.001	13.368	36305239	266.956	300	ug/ml
Aliphatic C21-C28	13.369	17.033	40163181	337.537	400	ug/ml
Aliphatic C28-C40	17.034	22.008	36116741	401.819	600	ug/ml
Aliphatic EPH	3.302	22.008	169453627	1410		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	4494875	30.29		ug/ml
1-chlorooctadecane (SURR)	13.101	13.101	3551932	31.43		ug/ml
Aliphatic C9-C28	3.302	17.033	133336886	1000	1200	ug/ml