

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG 14th-Harts Tice LN UG	Date Received:	
Client Sample ID:	WC-6MSD	SDG No.:	Q2649
Lab Sample ID:	Q2649-21MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/22/25 10:30	07/22/25 19:00	PB168949

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	134			2.80	8.02	mg/kg
Total EPH	Total EPH	134			2.80	8.02	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
FC069496.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	93.5		1.22	5.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	40.6		1.58	2.67	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.3		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.4		40 - 140	47%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2649-21MSD	Acq On:	22 Jul 2025 19:00
Client Sample ID:	Q2649-21MSD	Operator:	YP/AJ
Data file:	FC069496.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.597	23305634	167.667	300	ug/ml
Aliphatic C12-C16	6.598	10.000	32795669	227.632	200	ug/ml
Aliphatic C16-C21	10.001	13.368	38906292	286.082	300	ug/ml
Aliphatic C21-C28	13.369	17.033	43893710	368.889	400	ug/ml
Aliphatic C28-C40	17.034	22.008	41047712	456.679	600	ug/ml
Aliphatic EPH	3.302	22.008	179949017	1510		ug/ml
ortho-Terphenyl (SURR)	11.666	11.666	3476320	23.42		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	2969747	26.28		ug/ml
Aliphatic C9-C28	3.302	17.033	138901305	1050	1200	ug/ml