

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG 14th-Harts Tice LN UG	Date Received:	
Client Sample ID:	WC-6MS	SDG No.:	Q2649
Lab Sample ID:	Q2649-21MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.7
Sample Wt/Vol:	30.06	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 18:17	PB168949

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	138			2.80	8.02	mg/kg
Total EPH	Total EPH	138			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069495.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	97.0		1.22	5.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.0		1.58	2.67	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.7		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	23.9		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2649-21MS	Acq On:	22 Jul 2025 18:17
Client Sample ID:	Q2649-21MS	Operator:	YP/AJ
Data file:	FC069495.D	Misc:	
Instrument:	FID_C	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.302	6.597	23697790	170.488	300	ug/ml
Aliphatic C12-C16	6.598	10.000	33436243	232.078	200	ug/ml
Aliphatic C16-C21	10.001	13.368	42568318	313.009	300	ug/ml
Aliphatic C21-C28	13.369	17.033	44376475	372.946	400	ug/ml
Aliphatic C28-C40	17.034	22.008	41388166	460.466	600	ug/ml
Aliphatic EPH	3.302	22.008	185466992	1550		ug/ml
ortho-Terphenyl (SURR)	11.667	11.667	3538887	23.85		ug/ml
1-chlorooctadecane (SURR)	13.102	13.102	3014192	26.67		ug/ml
Aliphatic C9-C28	3.302	17.033	144078826	1090	1200	ug/ml