

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Aldene Switching Station	Date Received:	
Client Sample ID:	VNJ-258MS	SDG No.:	Q3048
Lab Sample ID:	Q3048-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
09/10/25 08:00	09/10/25 16:44	PB169635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	139			2.36	6.77	mg/kg
Total EPH	Total EPH	139			2.36	6.77	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055748.D	1	09/10/25	09/10/25	PB169635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	95.9	E	1.03	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.3		1.33	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.3		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3048-01MS	Acq On:	10 Sep 2025 16:44
Client Sample ID:	Q3048-01MS	Operator:	YP\AJ
Data file:	FE055748.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	23438205	182.535	300	ug/ml
Aliphatic C12-C16	6.948	10.400	38393197	284.194	200	ug/ml
Aliphatic C16-C21	10.401	13.779	48761608	338.112	300	ug/ml
Aliphatic C21-C28	13.780	17.450	67474561	471.074	400	ug/ml
Aliphatic C28-C40	17.451	22.463	79370543	576.32	600	ug/ml
Aliphatic EPH	3.314	22.463	257438114	1850		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	5878594	35.78		ug/ml
1-chlorooctadecane (SURR)	13.514	13.514	4665361	37.31		ug/ml
Aliphatic C9-C28	3.314	17.450	178067571	1280	1200	ug/ml