

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Aldene Switching Station	Date Received:	
Client Sample ID:	PB169635BSD	SDG No.:	Q3048
Lab Sample ID:	PB169635BSD	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
09/10/25 08:00	09/10/25 15:12	PB169635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.4		1	1.18	2.00	mg/kg	FE055745.D
Aliphatic C9-C28	Aliphatic C9-C28	79.8		1	0.91	3.99	mg/kg	FE055745.D
Total AliphaticEPH	Total AliphaticEPH	106			2.09	5.99	mg/kg	
Total EPH	Total EPH	106			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
FE055745.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	79.8		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.4		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.7		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.5		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169635BSD	Acq On:	10 Sep 2025 15:12
Client Sample ID:	PB169635BSD	Operator:	YP\AJ
Data file:	FE055745.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	28649486	223.12	300	ug/ml
Aliphatic C12-C16	6.948	10.400	37952178	280.929	200	ug/ml
Aliphatic C16-C21	10.401	13.779	43464200	301.38	300	ug/ml
Aliphatic C21-C28	13.780	17.450	56193955	392.318	400	ug/ml
Aliphatic C28-C40	17.451	22.463	54682296	397.055	600	ug/ml
Aliphatic EPH	3.314	22.463	220942115	1590		ug/ml
ortho-Terphenyl (SURR)	12.078	12.078	7142533	43.48		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	5585350	44.67		ug/ml
Aliphatic C9-C28	3.314	17.450	166259819	1200	1200	ug/ml