

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Aldene Switching Station	Date Received:	
Client Sample ID:	PB169635BS	SDG No.:	Q3048
Lab Sample ID:	PB169635BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 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 14:42	PB169635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.1		1	1.18	2.00	mg/kg	FE055744.D
Aliphatic C9-C28	Aliphatic C9-C28	80.6	E	1	0.91	4.00	mg/kg	FE055744.D
Total AliphaticEPH	Total AliphaticEPH	106			2.09	6.00	mg/kg	
Total EPH	Total EPH	106			2.09	6.00	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
FE055744.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	80.6	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.4		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.2		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169635BS	Acq On:	10 Sep 2025 14:42
Client Sample ID:	PB169635BS	Operator:	YP\AJ
Data file:	FE055744.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	28855978	224.728	300	ug/ml
Aliphatic C12-C16	6.948	10.400	38500926	284.991	200	ug/ml
Aliphatic C16-C21	10.401	13.779	44038466	305.362	300	ug/ml
Aliphatic C21-C28	13.780	17.450	56289059	392.982	400	ug/ml
Aliphatic C28-C40	17.451	22.463	51841971	376.431	600	ug/ml
Aliphatic EPH	3.314	22.463	219526400	1580		ug/ml
ortho-Terphenyl (SURR)	12.079	12.079	7265256	44.22		ug/ml
1-chlorooctadecane (SURR)	13.515	13.515	5676923	45.4		ug/ml
Aliphatic C9-C28	3.314	17.450	167684429	1210	1200	ug/ml