

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Waldwick Switching Station	Date Received:	
Client Sample ID:	PB169265BS	SDG No.:	Q2870
Lab Sample ID:	PB169265BS	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
08/15/25 09:30	08/15/25 16:44	PB169265

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.1		1	1.18	2.00	mg/kg	FC069677.D
Aliphatic C9-C28	Aliphatic C9-C28	66.9		1	0.91	4.00	mg/kg	FC069677.D
Total AliphaticEPH	Total AliphaticEPH	93.0			2.09	6.00	mg/kg	
Total EPH	Total EPH	93.0			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
FC069677.D	1	08/15/25	08/15/25	PB169265

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	66.9		0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.1		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.1		40 - 140	78%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169265BS	Acq On:	15 Aug 2025 16:44
Client Sample ID:	PB169265BS	Operator:	YP/AJ
Data file:	FC069677.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.295	6.590	27426564	189.568	300	ug/ml
Aliphatic C12-C16	6.591	9.994	33545636	233.873	200	ug/ml
Aliphatic C16-C21	9.995	13.363	35045024	262.389	300	ug/ml
Aliphatic C21-C28	13.364	17.027	37713032	318.77	400	ug/ml
Aliphatic C28-C40	17.028	21.999	37369552	392.063	600	ug/ml
Aliphatic EPH	3.295	21.999	171099808	1400		ug/ml
ortho-Terphenyl (SURR)	11.663	11.663	5834872	39.11		ug/ml
1-chlorooctadecane (SURR)	13.098	13.098	4518884	41.45		ug/ml
Aliphatic C9-C28	3.295	17.027	133730256	1000	1200	ug/ml