

Report of Analysis

Client:	PSEG	Date Collected:	03/06/25
Project:	Bridgewater Switch	Date Received:	03/06/25
Client Sample ID:	50-MIDDLESEX-AVE	SDG No.:	Q1507
Lab Sample ID:	Q1507-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
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
03/07/25 09:15	03/07/25 14:52	PB167032

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10.3		1	2.04	2.27	mg/kg FE052680.D
Aliphatic C9-C28	Aliphatic C9-C28	35.9		1	1.95	4.53	mg/kg FE052680.D
Total AliphaticEPH	Total AliphaticEPH	46.2			3.99	6.80	mg/kg
Total EPH	Total EPH	46.2			3.99	6.80	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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Analytical Method:	NJEPH	% Solid:	88
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052680.D	1	03/07/25	03/07/25	PB167032

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	35.9		1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.3		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.4		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1507-01	Acq On:	07 Mar 2025 14:52
Client Sample ID:	50-MIDDLESEX-AVE	Operator:	YP\AJ
Data file:	FE052680.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	1036684	6.648	300	ug/ml
Aliphatic C12-C16	6.797	10.250	8184016	53.807	200	ug/ml
Aliphatic C16-C21	10.251	13.630	45408262	309.852	300	ug/ml
Aliphatic C21-C28	13.631	17.303	14896115	104.569	400	ug/ml
Aliphatic C28-C40	17.304	22.224	17455990	136.814	600	ug/ml
Aliphatic EPH	3.151	22.224	86981067	611.691		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4774039	28.32		ug/ml
1-chlorooctadecane (SURR)	13.358	13.358	3569874	29.4		ug/ml
Aliphatic C9-C28	3.151	17.303	69525077	474.876	1200	ug/ml