

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	TP-3MSD	SDG No.:	Q2780
Lab Sample ID:	Q2780-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/06/25 09:25	08/06/25 18:48	PB169139

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	135			2.54	7.30	mg/kg
Total EPH	Total EPH	135			2.54	7.30	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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Client:	PSEG	Date Collected:	
Project:	PSEG Metro Way	Date Received:	
Client Sample ID:	TP-3MSD	SDG No.:	Q2780
Lab Sample ID:	Q2780-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.1
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069587.D	1	08/06/25	08/06/25	PB169139

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	93.6		1.11	4.87	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.1		1.43	2.43	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.5		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.6		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2780-01MSD	Acq On:	06 Aug 2025 18:48
Client Sample ID:	Q2780-01MSD	Operator:	YP/AJ
Data file:	FC069587.D	Misc:	
Instrument:	FID_C	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.297	6.596	20137217	139.185	300	ug/ml
Aliphatic C12-C16	6.597	10.001	33541302	233.843	200	ug/ml
Aliphatic C16-C21	10.002	13.370	52838120	395.61	300	ug/ml
Aliphatic C21-C28	13.371	17.036	45838330	387.45	400	ug/ml
Aliphatic C28-C40	17.037	22.012	48308855	506.833	600	ug/ml
Aliphatic EPH	3.297	22.012	200663824	1660		ug/ml
ortho-Terphenyl (SURR)	11.671	11.671	4869671	32.64		ug/ml
1-chlorooctadecane (SURR)	13.106	13.106	3875604	35.55		ug/ml
Aliphatic C9-C28	3.297	17.036	152354969	1160	1200	ug/ml