

Report of Analysis

Client:	PSEG	Date Collected:	08/08/25
Project:	PSEG Metro Way	Date Received:	08/08/25
Client Sample ID:	TP-7	SDG No.:	Q2808
Lab Sample ID:	Q2808-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	66.5
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
08/11/25 09:00	08/12/25 8:00	PB169188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	61.4		2	3.54	6.00	mg/kg FE055244.D
Aliphatic C9-C28	Aliphatic C9-C28	23.4		1	1.37	6.00	mg/kg FE055232.D
Total AliphaticEPH	Total AliphaticEPH	84.8			4.91	12.0	mg/kg
Total EPH	Total EPH	84.8			4.91	12.0	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055232.D	1	08/11/25	08/11/25	PB169188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.4		1.37	6.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	63.7	E	1.77	3.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.8		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.3		40 - 140	44%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2808-01	Acq On:	11 Aug 2025 16:55
Client Sample ID:	TP-7	Operator:	YP\AJ
Data file:	FE055232.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	3.322	6.957	2492532	21.343	300	ug/ml
Aliphatic C12-C16	6.958	10.409	4851143	38.739	200	ug/ml
Aliphatic C16-C21	10.410	13.788	7297107	57.728	300	ug/ml
Aliphatic C21-C28	13.789	17.460	13946399	115.732	400	ug/ml
Aliphatic C28-C40	17.461	22.484	72521417	636.224	600	ug/ml
Aliphatic EPH	3.322	22.484	101108598	869.767		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	3177777	22.25		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	2663337	24.77		ug/ml
Aliphatic C9-C28	3.322	17.460	28587181	233.542	1200	ug/ml