

Report of Analysis

Client:	PSEG	Date Collected:	08/08/25
Project:	PSEG Metro Way	Date Received:	08/08/25
Client Sample ID:	TP-7-EPH	SDG No.:	Q2808
Lab Sample ID:	Q2808-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/11/25 09:00	08/11/25 17:26	PB169188

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	33.4		1	1.58	2.67	mg/kg FE055233.D
Aliphatic C9-C28	Aliphatic C9-C28	7.07		1	1.22	5.35	mg/kg FE055233.D
Total AliphaticEPH	Total AliphaticEPH	40.5			2.80	8.02	mg/kg
Total EPH	Total EPH	40.5			2.80	8.02	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

Report of Analysis

Client:	PSEG	Date Collected:	08/08/25
Project:	PSEG Metro Way	Date Received:	08/08/25
Client Sample ID:	TP-7-EPH	SDG No.:	Q2808
Lab Sample ID:	Q2808-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055233.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	7.07		1.22	5.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	33.4		1.58	2.67	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.2		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.6		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2808-02	Acq On:	11 Aug 2025 17:26
Client Sample ID:	TP-7-EPH	Operator:	YP\AJ
Data file:	FE055233.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.322	6.957	875768	7.499	300	ug/ml
Aliphatic C12-C16	6.958	10.409	1905245	15.214	200	ug/ml
Aliphatic C16-C21	10.410	13.788	3317429	26.244	300	ug/ml
Aliphatic C21-C28	13.789	17.460	3675609	30.502	400	ug/ml
Aliphatic C28-C40	17.461	22.484	42835257	375.79	600	ug/ml
Aliphatic EPH	3.322	22.484	52609308	455.25		ug/ml
ortho-Terphenyl (SURR)	12.087	12.087	3512668	24.6		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	3136906	29.17		ug/ml
Aliphatic C9-C28	3.322	17.460	9774051	79.459	1200	ug/ml