

Report of Analysis

Client:	PSEG	Date Collected:	06/18/25
Project:	PSEG Bergen Point	Date Received:	06/18/25
Client Sample ID:	TP-11-EPH	SDG No.:	Q2362
Lab Sample ID:	Q2362-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
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
06/20/25 09:30	06/20/25 17:22	PB168561

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.72		1	1.33	2.25	mg/kg	FE054524.D
Aliphatic C9-C28	Aliphatic C9-C28	3.69	J	1	1.02	4.51	mg/kg	FE054524.D
Total AliphaticEPH	Total AliphaticEPH	7.41			2.35	6.76	mg/kg	
Total EPH	Total EPH	7.41			2.35	6.76	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
FE054524.D	1	06/20/25	06/20/25	PB168561

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.69	J	1.02	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.72		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	57.9		40 - 140	116%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	53.6		40 - 140	107%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2362-02	Acq On:	20 Jun 2025 17:22
Client Sample ID:	TP-11-EPH	Operator:	YP\AJ
Data file:	FE054524.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.716	2490737	19.885	300	ug/ml
Aliphatic C12-C16	6.717	10.164	911814	6.952	200	ug/ml
Aliphatic C16-C21	10.165	13.537	821408	6.133	300	ug/ml
Aliphatic C21-C28	13.538	17.205	2069394	16.286	400	ug/ml
Aliphatic C28-C40	17.206	22.069	6358456	49.58	600	ug/ml
Aliphatic EPH	3.072	22.069	12651809	98.837		ug/ml
ortho-Terphenyl (SURR)	11.824	11.824	8861415	53.63		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	7059538	57.89		ug/ml
Aliphatic C9-C28	3.072	17.205	6293353	49.256	1200	ug/ml