

Report of Analysis

Client:	PSEG	Date Collected:	06/17/25
Project:	PSEG Bergen Point	Date Received:	06/17/25
Client Sample ID:	TP-10	SDG No.:	Q2347
Lab Sample ID:	Q2347-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
06/18/25 09:13	06/18/25 17:58	PB168533

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.23		1	1.31	2.22	mg/kg FE054488.D
Aliphatic C9-C28	Aliphatic C9-C28	8.10		1	1.01	4.44	mg/kg FE054488.D
Total AliphaticEPH	Total AliphaticEPH	12.3			2.32	6.66	mg/kg
Total EPH	Total EPH	12.3			2.32	6.66	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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Sample Wt/Vol:	30.04 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
FE054488.D	1	06/18/25	06/18/25	PB168533

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.10		1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.23		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	58.6		40 - 140	117%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	54.8		40 - 140	110%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2347-01	Acq On:	18 Jun 2025 17:58
Client Sample ID:	TP-10	Operator:	YP\AJ
Data file:	FE054488.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.072	6.717	2587417	20.657	300	ug/ml
Aliphatic C12-C16	6.718	10.164	1410351	10.754	200	ug/ml
Aliphatic C16-C21	10.165	13.536	8140607	60.784	300	ug/ml
Aliphatic C21-C28	13.537	17.204	2174300	17.111	400	ug/ml
Aliphatic C28-C40	17.205	22.063	7336215	57.205	600	ug/ml
Aliphatic EPH	3.072	22.063	21648890	166.511		ug/ml
ortho-Terphenyl (SURR)	11.826	11.826	9054274	54.8		ug/ml
1-chlorooctadecane (SURR)	13.271	13.271	7150013	58.63		ug/ml
Aliphatic C9-C28	3.072	17.204	14312675	109.306	1200	ug/ml