

Report of Analysis

Client:	PSEG	Date Collected:	07/11/25
Project:	PSEG Bergen Point Relocate - Greenville	Date Received:	07/11/25
Client Sample ID:	TP-16-EPH	SDG No.:	Q2586
Lab Sample ID:	Q2586-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/14/25 09:40	07/14/25 21:02	PB168833

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.70		1	1.25	2.13	mg/kg	FC069441.D
Aliphatic C9-C28	Aliphatic C9-C28	1.96	J	1	0.97	4.25	mg/kg	FC069441.D
Total AliphaticEPH	Total AliphaticEPH	6.66			2.22	6.38	mg/kg	
Total EPH	Total EPH	6.66			2.22	6.38	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:	30.01 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
FC069441.D	1	07/14/25	07/14/25	PB168833

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.96	J	0.97	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.70		1.25	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2586-02	Acq On:	14 Jul 2025 21:02
Client Sample ID:	TP-16-EPH	Operator:	YP/AJ
Data file:	FC069441.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.301	6.600	443128	3.021	300	ug/ml
Aliphatic C12-C16	6.601	10.004	748409	4.701	200	ug/ml
Aliphatic C16-C21	10.005	13.372	1508359	9.767	300	ug/ml
Aliphatic C21-C28	13.373	17.036	1356169	10.123	400	ug/ml
Aliphatic C28-C40	17.037	22.012	6103926	66.257	600	ug/ml
Aliphatic EPH	3.301	22.012	10159991	93.869		ug/ml
ortho-Terphenyl (SURR)	11.670	11.670	5035394	29.15		ug/ml
1-chlorooctadecane (SURR)	13.105	13.105	4002375	30.64		ug/ml
Aliphatic C9-C28	3.301	17.036	4056065	27.612	1200	ug/ml