

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	26kV 40-50 Seaview Permanent OP	Date Received:	04/01/25
Client Sample ID:	WCS-TP-3-EPH	SDG No.:	Q1693
Lab Sample ID:	Q1693-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/02/25 09:12	04/02/25 21:49	PB167427

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.3		1	1.57	2.67	mg/kg	FE053146.D
Aliphatic C9-C28	Aliphatic C9-C28	3.47	J	1	1.21	5.33	mg/kg	FE053146.D
Total AliphaticEPH	Total AliphaticEPH	18.8			2.78	8.00	mg/kg	
Total EPH	Total EPH	18.8			2.78	8.00	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053146.D	1	04/02/25	04/02/25	PB167427

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.47	J	1.21	5.33	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.3		1.57	2.67	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.6		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.3		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1693-02	Acq On:	02 Apr 2025 21:49
Client Sample ID:	WCS-TP-3-EPH	Operator:	YP\AJ
Data file:	FE053146.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.779	1289211	8.262	300	ug/ml
Aliphatic C12-C16	6.780	10.229	1413697	9.202	200	ug/ml
Aliphatic C16-C21	10.230	13.604	1135754	7.869	300	ug/ml
Aliphatic C21-C28	13.605	17.273	1842944	13.718	400	ug/ml
Aliphatic C28-C40	17.274	22.174	21372904	172.006	600	ug/ml
Aliphatic EPH	3.137	22.174	27054510	211.057		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	6556091	40.25		ug/ml
1-chlorooctadecane (SURR)	13.338	13.338	5350451	44.57		ug/ml
Aliphatic C9-C28	3.137	17.273	5681606	39.051	1200	ug/ml