

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	SDG No.:	Q1693
Lab Sample ID:	Q1693-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	75.8
Sample Wt/Vol:	30.08 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 21:19	PB167427

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.0		1	1.55	2.63	mg/kg	FE053145.D
Aliphatic C9-C28	Aliphatic C9-C28	3.45	J	1	1.20	5.27	mg/kg	FE053145.D
Total AliphaticEPH	Total AliphaticEPH	23.5			2.75	7.90	mg/kg	
Total EPH	Total EPH	23.5			2.75	7.90	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
FE053145.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	3.45	J	1.20	5.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.0		1.55	2.63	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.3		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1693-01	Acq On:	02 Apr 2025 21:19
Client Sample ID:	WCS-TP-3	Operator:	YP\AJ
Data file:	FE053145.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.779	1356434	8.693	300	ug/ml
Aliphatic C12-C16	6.780	10.229	1623830	10.57	200	ug/ml
Aliphatic C16-C21	10.230	13.604	1076656	7.459	300	ug/ml
Aliphatic C21-C28	13.605	17.273	1698088	12.64	400	ug/ml
Aliphatic C28-C40	17.274	22.174	28294517	227.71	600	ug/ml
Aliphatic EPH	3.137	22.174	34049525	267.072		ug/ml
ortho-Terphenyl (SURR)	11.893	11.893	6631334	40.71		ug/ml
1-chlorooctadecane (SURR)	13.337	13.337	5435612	45.28		ug/ml
Aliphatic C9-C28	3.137	17.273	5755008	39.362	1200	ug/ml