284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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-2-EPH	SDG No.:	Q1693
Lab Sample ID:	Q1693-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73
Sample Wt/Vol:	30.06 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 22:49	PB167427

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	1.61	2.73	mg/kg	FE053148.D
Aliphatic C9-C28	Aliphatic C9-C28	5.76		1	1.24	5.47	mg/kg	FE053148.D
Total AliphaticEPH	Total AliphaticEPH	16.2			2.85	8.20	mg/kg	
Total EPH	Total EPH	16.2			2.85	8.20	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
FE053148.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	5.76		1.24	5.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1.61	2.73	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.2		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.0		40 - 140	82%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1693-06	Acq On:	02 Apr 2025 22:49
Client Sample ID:	WCS-TP-2-EPH	Operator:	YP\AJ
Data file:	FE053148.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.779	1506638	9.656	300	ug/ml
Aliphatic C12-C16	6.780	10.229	1873144	12.192	200	ug/ml
Aliphatic C16-C21	10.230	13.604	1911704	13.245	300	ug/ml
Aliphatic C21-C28	13.605	17.273	3776616	28.111	400	ug/ml
Aliphatic C28-C40	17.274	22.174	14153029	113.902	600	ug/ml
Aliphatic EPH	3.137	22.174	23221131	177.106		ug/ml
ortho-Terphenyl (SURR)	11.892	11.892	6676686	40.99		ug/ml
1-chlorooctadecane (SURR)	13.337	13.337	5186938	43.21		ug/ml
Aliphatic C9-C28	3.137	17.273	9068102	63.204	1200	ug/ml