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

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Whitehorse 230-69kV Upgrade	Date Received:	03/24/25
Client Sample ID:	WC-5-EPH	SDG No.:	Q1636
Lab Sample ID:	Q1636-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
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
03/26/25 09:45	03/26/25 23:34	PB167323

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.19		1	1.45	2.46	mg/kg	FE052995.D
Aliphatic C9-C28	Aliphatic C9-C28	7.59		1	1.12	4.92	mg/kg	FE052995.D
Total AliphaticEPH	Total AliphaticEPH	10.8			2.57	7.38	mg/kg	
Total EPH	Total EPH	10.8			2.57	7.38	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052995.D	1	03/26/25	03/26/25	PB167323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.59		1.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.19		1.45	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.2		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.2		40 - 140	88%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1636-18	Acq On:	26 Mar 2025 23:34
Client Sample ID:	WC-5-EPH	Operator:	YP\AJ
Data file:	FE052995.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	3.147	6.791	1534381	9.839	300	ug/ml
Aliphatic C12-C16	6.792	10.245	1374838	9.039	200	ug/ml
Aliphatic C16-C21	10.246	13.624	3899744	26.611	300	ug/ml
Aliphatic C21-C28	13.625	17.297	6707306	47.085	400	ug/ml
Aliphatic C28-C40	17.298	22.217	4974352	38.987	600	ug/ml
Aliphatic EPH	3.147	22.217	18490621	131.561		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	7451246	44.2		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	5483562	45.16		ug/ml
Aliphatic C9-C28	3.147	17.297	13516269	92.574	1200	ug/ml