

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Whitehorse 230-69kV Upgrade	Date Received:	03/24/25
Client Sample ID:	WC-1-EPH	SDG No.:	Q1636
Lab Sample ID:	Q1636-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.05 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 16:02	PB167323

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.90		1	1.34	2.28	mg/kg	FE052982.D
Aliphatic C9-C28	Aliphatic C9-C28	2.00	J	1	1.03	4.56	mg/kg	FE052982.D
Total AliphaticEPH	Total AliphaticEPH	4.90	J		2.38	6.84	mg/kg	
Total EPH	Total EPH	4.90	J		2.38	6.84	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052982.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	2.00	J	1.03	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.90		1.34	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.3		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1636-02	Acq On:	26 Mar 2025 16:02
Client Sample ID:	WC-1-EPH	Operator:	YP\AJ
Data file:	FE052982.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	1563839	10.028	300	ug/ml
Aliphatic C12-C16	6.792	10.245	668822	4.397	200	ug/ml
Aliphatic C16-C21	10.246	13.624	471091	3.215	300	ug/ml
Aliphatic C21-C28	13.625	17.297	1248444	8.764	400	ug/ml
Aliphatic C28-C40	17.298	22.217	4880075	38.248	600	ug/ml
Aliphatic EPH	3.147	22.217	8832271	64.652		ug/ml
ortho-Terphenyl (SURR)	11.904	11.904	5427842	32.2		ug/ml
1-chlorooctadecane (SURR)	13.348	13.348	4284749	35.29		ug/ml
Aliphatic C9-C28	3.147	17.297	3952196	26.404	1200	ug/ml