

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Whitehorse 230-69kV Upgrade	Date Received:	03/24/25
Client Sample ID:	WC-2-EPH	SDG No.:	Q1636
Lab Sample ID:	Q1636-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
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
03/26/25 09:45	03/26/25 18:32	PB167323

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.33		1	1.33	2.25	mg/kg	FE052987.D
Aliphatic C9-C28	Aliphatic C9-C28	1.28	J	1	1.02	4.49	mg/kg	FE052987.D
Total AliphaticEPH	Total AliphaticEPH	3.62	J		2.35	6.74	mg/kg	
Total EPH	Total EPH	3.62	J		2.35	6.74	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
FE052987.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	1.28	J	1.02	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.33		1.33	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.9		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1636-06	Acq On:	26 Mar 2025 18:32
Client Sample ID:	WC-2-EPH	Operator:	YP\AJ
Data file:	FE052987.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.791	1430034	9.17	300	ug/ml
Aliphatic C12-C16	6.792	10.245	672845	4.424	200	ug/ml
Aliphatic C16-C21	10.246	13.624	517828	3.534	300	ug/ml
Aliphatic C21-C28	13.625	17.297	1101248	7.731	400	ug/ml
Aliphatic C28-C40	17.298	22.217	3956621	31.011	600	ug/ml
Aliphatic EPH	3.147	22.217	7678576	55.868		ug/ml
ortho-Terphenyl (SURR)	11.902	11.902	5105231	30.28		ug/ml
1-chlorooctadecane (SURR)	13.347	13.347	3869364	31.87		ug/ml
Aliphatic C9-C28	3.147	17.297	3721955	24.859	1200	ug/ml