

Report of Analysis

Client:	PSEG	Date Collected:	03/24/25
Project:	Whitehorse 230-69kV Upgrade	Date Received:	03/24/25
Client Sample ID:	WC-4	SDG No.:	Q1636
Lab Sample ID:	Q1636-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
03/26/25 09:45	03/26/25 20:03	PB167323

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.46	J	1	1.37	2.32	mg/kg	FE052990.D
Aliphatic C9-C28	Aliphatic C9-C28	4.71		1	1.06	4.64	mg/kg	FE052990.D
Total AliphaticEPH	Total AliphaticEPH	6.17	J		2.43	6.96	mg/kg	
Total EPH	Total EPH	6.17	J		2.43	6.96	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
FE052990.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	4.71		1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.46	J	1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1636-13	Acq On:	26 Mar 2025 20:03
Client Sample ID:	WC-4	Operator:	YP\AJ
Data file:	FE052990.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	3.147	6.791	1515869	9.72	300	ug/ml
Aliphatic C12-C16	6.792	10.245	609068	4.004	200	ug/ml
Aliphatic C16-C21	10.246	13.624	5469090	37.319	300	ug/ml
Aliphatic C21-C28	13.625	17.297	1400782	9.833	400	ug/ml
Aliphatic C28-C40	17.298	22.217	2397655	18.792	600	ug/ml
Aliphatic EPH	3.147	22.217	11392464	79.67		ug/ml
ortho-Terphenyl (SURR)	11.901	11.901	4768779	28.29		ug/ml
1-chlorooctadecane (SURR)	13.345	13.345	3551303	29.25		ug/ml
Aliphatic C9-C28	3.147	17.297	8994809	60.876	1200	ug/ml