

Report of Analysis

Client:	PSEG	Date Collected:	04/28/25
Project:	GW South OP Pole	Date Received:	04/28/25
Client Sample ID:	WC-4	SDG No.:	Q1906
Lab Sample ID:	Q1906-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.3
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
04/29/25 09:05	04/29/25 15:20	PB167778

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.43		1	1.29	2.19	mg/kg	FC068719.D
Aliphatic C9-C28	Aliphatic C9-C28	2.26	J	1	1.00	4.37	mg/kg	FC068719.D
Total AliphaticEPH	Total AliphaticEPH	5.69	J		2.29	6.56	mg/kg	
Total EPH	Total EPH	5.69	J		2.29	6.56	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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Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068719.D	1	04/29/25	04/29/25	PB167778

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.26	J	1.00	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.43		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.2		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1906-01	Acq On:	29 Apr 2025 15:20
Client Sample ID:	WC-4	Operator:	YP/AJ
Data file:	FC068719.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.346	6.648	271369	2.578	300	ug/ml
Aliphatic C12-C16	6.649	10.049	650625	6.359	200	ug/ml
Aliphatic C16-C21	10.050	13.418	807893	8.176	300	ug/ml
Aliphatic C21-C28	13.419	17.084	1304829	13.854	400	ug/ml
Aliphatic C28-C40	17.085	22.089	4223316	46.987	600	ug/ml
Aliphatic EPH	3.346	22.089	7258032	77.953		ug/ml
ortho-Terphenyl (SURR)	11.718	11.718	4166451	32.72		ug/ml
1-chlorooctadecane (SURR)	13.151	13.151	3174869	34.18		ug/ml
Aliphatic C9-C28	3.346	17.084	3034716	30.967	1200	ug/ml