

Report of Analysis

Client:	PSEG	Date Collected:	04/28/25
Project:	GW South OP Pole	Date Received:	04/28/25
Client Sample ID:	WC-6	SDG No.:	Q1906
Lab Sample ID:	Q1906-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.2
Sample Wt/Vol:	30.05	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 18:13	PB167778

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	19.9		1	1.28	2.17	mg/kg FE053575.D
Aliphatic C9-C28	Aliphatic C9-C28	4.93		1	0.99	4.32	mg/kg FE053575.D
Total AliphaticEPH	Total AliphaticEPH	24.8			2.27	6.49	mg/kg
Total EPH	Total EPH	24.8			2.27	6.49	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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Analytical Method:	NJEPH	% Solid:	92.2
Sample Wt/Vol:	30.05 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
FE053575.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	4.93		0.99	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	19.9		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.8		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1906-09	Acq On:	29 Apr 2025 18:13
Client Sample ID:	WC-6	Operator:	YP\AJ
Data file:	FE053575.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	3.116	6.759	388377	2.803	300	ug/ml
Aliphatic C12-C16	6.760	10.208	1475598	10.406	200	ug/ml
Aliphatic C16-C21	10.209	13.583	2149872	14.79	300	ug/ml
Aliphatic C21-C28	13.584	17.253	5724501	40.264	400	ug/ml
Aliphatic C28-C40	17.254	22.144	35510718	275.172	600	ug/ml
Aliphatic EPH	3.116	22.144	45249066	343.434		ug/ml
ortho-Terphenyl (SURR)	11.869	11.869	5964230	33.07		ug/ml
1-chlorooctadecane (SURR)	13.314	13.314	4703212	34.79		ug/ml
Aliphatic C9-C28	3.116	17.253	9738348	68.263	1200	ug/ml