

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	GW South OP Pole	Date Received:	04/25/25
Client Sample ID:	WC-1-EPH	SDG No.:	Q1900
Lab Sample ID:	Q1900-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/28/25 10:25	04/28/25 21:40	PB167768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.11		1	1.35	2.29	mg/kg	FE053556.D
Aliphatic C9-C28	Aliphatic C9-C28	3.22	J	1	1.04	4.56	mg/kg	FE053556.D
Total AliphaticEPH	Total AliphaticEPH	8.33			2.39	6.85	mg/kg	
Total EPH	Total EPH	8.33			2.39	6.85	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:	87.4
Sample Wt/Vol:	30.02 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
FE053556.D	1	04/28/25	04/28/25	PB167768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.22	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.11		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.1		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1900-02	Acq On:	28 Apr 2025 21:40
Client Sample ID:	WC-1-EPH	Operator:	YP\AJ
Data file:	FE053556.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.761	410129	2.96	300	ug/ml
Aliphatic C12-C16	6.762	10.211	997361	7.033	200	ug/ml
Aliphatic C16-C21	10.212	13.587	954193	6.564	300	ug/ml
Aliphatic C21-C28	13.588	17.257	3663742	25.769	400	ug/ml
Aliphatic C28-C40	17.258	22.153	8656007	67.075	600	ug/ml
Aliphatic EPH	3.119	22.153	14681432	109.402		ug/ml
ortho-Terphenyl (SURR)	11.872	11.872	6456962	35.8		ug/ml
1-chlorooctadecane (SURR)	13.317	13.317	5144588	38.06		ug/ml
Aliphatic C9-C28	3.119	17.257	6025425	42.326	1200	ug/ml