

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	PSEG 2966 JKF Blvd	Date Received:	02/05/25
Client Sample ID:	WC-1	SDG No.:	Q1299
Lab Sample ID:	Q1299-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
02/06/25 09:45	02/06/25 16:03	PB166589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.64		1	2.03	2.26	mg/kg	FC068211.D
Aliphatic C9-C28	Aliphatic C9-C28	2.42	J	1	1.94	4.52	mg/kg	FC068211.D
Total AliphaticEPH	Total AliphaticEPH	9.06			3.97	6.78	mg/kg	
Total EPH	Total EPH	9.06			3.97	6.78	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068211.D	1	02/06/25	02/06/25	PB166589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.42	J	1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.64		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.3		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.7		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1299-01	Acq On:	06 Feb 2025 16:03
Client Sample ID:	WC-1	Operator:	YP/AJ
Data file:	FC068211.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	3.111	6.378	607268	4.385	300	ug/ml
Aliphatic C12-C16	6.379	9.763	1079307	7.837	200	ug/ml
Aliphatic C16-C21	9.764	13.117	1303949	9.658	300	ug/ml
Aliphatic C21-C28	13.118	16.770	1862968	14.645	400	ug/ml
Aliphatic C28-C40	16.771	21.575	9143133	88.221	600	ug/ml
Aliphatic EPH	3.111	21.575	13996625	124.746		ug/ml
ortho-Terphenyl (SURR)	11.409	11.409	6207395	39.72		ug/ml
1-chlorooctadecane (SURR)	12.850	12.850	4861612	42.27		ug/ml
Aliphatic C9-C28	3.111	16.770	4853492	36.525	1200	ug/ml