

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-EPH	SDG No.:	Q1299
Lab Sample ID:	Q1299-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/06/25 09:45	02/06/25 18:30	PB166589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.82		1	1.99	2.22	mg/kg	FC068215.D
Aliphatic C9-C28	Aliphatic C9-C28	2.70	J	1	1.91	4.44	mg/kg	FC068215.D
Total AliphaticEPH	Total AliphaticEPH	8.52			3.90	6.66	mg/kg	
Total EPH	Total EPH	8.52			3.90	6.66	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068215.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	2.70	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.82		1.99	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.0		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.2		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1299-02	Acq On:	06 Feb 2025 18:30
Client Sample ID:	WC-1-EPH	Operator:	YP/AJ
Data file:	FC068215.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.111	6.378	663284	4.789	300	ug/ml
Aliphatic C12-C16	6.379	9.763	828463	6.016	200	ug/ml
Aliphatic C16-C21	9.764	13.117	4124663	30.549	300	ug/ml
Aliphatic C21-C28	13.118	16.770	1010327	7.942	400	ug/ml
Aliphatic C28-C40	16.771	21.575	8164907	78.782	600	ug/ml
Aliphatic EPH	3.111	21.575	14791644	128.079		ug/ml
ortho-Terphenyl (SURR)	11.407	11.407	4091311	26.18		ug/ml
1-chlorooctadecane (SURR)	12.848	12.848	3221384	28.01		ug/ml
Aliphatic C9-C28	3.111	16.770	6626737	49.296	1200	ug/ml