

Report of Analysis

Client:	PSEG	Date Collected:	02/04/25
Project:	PSEG 2966 JKF Blvd	Date Received:	02/05/25
Client Sample ID:	WC-2	SDG No.:	Q1299
Lab Sample ID:	Q1299-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.9
Sample Wt/Vol:	30.04	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 19:06	PB166589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	39.0		1	2.02	2.25	mg/kg FC068216.D
Aliphatic C9-C28	Aliphatic C9-C28	7.64		1	1.93	4.49	mg/kg FC068216.D
Total AliphaticEPH	Total AliphaticEPH	46.6			3.95	6.74	mg/kg
Total EPH	Total EPH	46.6			3.95	6.74	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:	30.04 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
FC068216.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	7.64		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	39.0		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.0		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.4		40 - 140	59%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1299-05	Acq On:	06 Feb 2025 19:06
Client Sample ID:	WC-2	Operator:	YP/AJ
Data file:	FC068216.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.111	6.378	555023	4.008	300	ug/ml
Aliphatic C12-C16	6.379	9.763	1152131	8.366	200	ug/ml
Aliphatic C16-C21	9.764	13.117	1621178	12.007	300	ug/ml
Aliphatic C21-C28	13.118	16.770	10382415	81.618	400	ug/ml
Aliphatic C28-C40	16.771	21.575	53910890	520.18	600	ug/ml
Aliphatic EPH	3.111	21.575	67621637	626.179		ug/ml
ortho-Terphenyl (SURR)	11.407	11.407	4597449	29.42		ug/ml
1-chlorooctadecane (SURR)	12.849	12.849	3560585	30.96		ug/ml
Aliphatic C9-C28	3.111	16.770	13710747	105.999	1200	ug/ml