

Report of Analysis

Client:	PSEG	Date Collected:	11/04/24
Project:	CF- 613 East Rutherford and Wallington	Date Received:	11/04/24
Client Sample ID:	CF-613-46	SDG No.:	P4711
Lab Sample ID:	P4711-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/06/24 08:32	11/07/24 12:37	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	54.3		2	3.80	4.22	mg/kg FF014953.D
Aliphatic C9-C28	Aliphatic C9-C28	32.6		1	1.82	4.23	mg/kg FF014939.D
Total AliphaticEPH	Total AliphaticEPH	86.9			5.62	8.45	mg/kg
Total EPH	Total EPH	86.9			5.62	8.45	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF014939.D	1	11/06/24	11/06/24	PB164709

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	32.6		1.82	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	55.4	E	1.90	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.7		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.8		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4711-03	Acq On:	06 Nov 2024 19:17
Client Sample ID:	CF-613-46	Operator:	YP\AJ
Data file:	FF014939.D	Misc:	
Instrument:	FID_F	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.833	1479896	11.604	300	ug/ml
Aliphatic C12-C16	6.834	10.264	2235124	16.95	200	ug/ml
Aliphatic C16-C21	10.265	13.628	30763832	223.561	300	ug/ml
Aliphatic C21-C28	13.629	17.288	29368357	211.793	400	ug/ml
Aliphatic C28-C40	17.289	22.181	88924816	787.663	600	ug/ml
Aliphatic EPH	3.223	22.181	152772025	1250		ug/ml
ortho-Terphenyl (SURR)	11.939	11.939	6070503	39.81		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	5126732	42.67		ug/ml
Aliphatic C9-C28	3.223	17.288	63847209	463.908	1200	ug/ml