

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-613-47	SDG No.:	P4711
Lab Sample ID:	P4711-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.7
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
11/06/24 08:32	11/07/24 14:31	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	101		5	9.60	10.7	mg/kg	FF014957.D
Aliphatic C9-C28	Aliphatic C9-C28	19.5		1	1.83	4.27	mg/kg	FF014940.D
Total AliphaticEPH	Total AliphaticEPH	121			11.4	15.0	mg/kg	
Total EPH	Total EPH	121			11.4	15.0	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
FF014940.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	19.5		1.83	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	98.1	E	1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.6		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.8		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4711-04	Acq On:	06 Nov 2024 19:45
Client Sample ID:	CF-613-47	Operator:	YP\AJ
Data file:	FF014940.D	Misc:	
Instrument:	FID_F	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.833	3364343	26.38	300	ug/ml
Aliphatic C12-C16	6.834	10.264	4075273	30.905	200	ug/ml
Aliphatic C16-C21	10.265	13.628	12185635	88.553	300	ug/ml
Aliphatic C21-C28	13.629	17.288	17832470	128.601	400	ug/ml
Aliphatic C28-C40	17.289	22.181	155846454	1380	600	ug/ml
Aliphatic EPH	3.223	22.181	193304175	1650		ug/ml
ortho-Terphenyl (SURR)	11.937	11.937	4548518	29.83		ug/ml
1-chlorooctadecane (SURR)	13.373	13.373	3552585	29.57		ug/ml
Aliphatic C9-C28	3.223	17.288	37457721	274.439	1200	ug/ml