

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-COMP-16	SDG No.:	P4711
Lab Sample ID:	P4711-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.6
Sample Wt/Vol:	30.02 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 12:09	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	68.9		5	9.51	10.6	mg/kg FF014952.D
Aliphatic C9-C28	Aliphatic C9-C28	18.5		1	1.82	4.23	mg/kg FF014938.D
Total AliphaticEPH	Total AliphaticEPH	87.4			11.3	14.8	mg/kg
Total EPH	Total EPH	87.4			11.3	14.8	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
FF014938.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	18.5		1.82	4.23	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.1	E	1.90	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.6		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.7		40 - 140	79%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4711-01	Acq On:	06 Nov 2024 18:49
Client Sample ID:	CF-613-COMP-16	Operator:	YP\AJ
Data file:	FF014938.D	Misc:	
Instrument:	FID_F	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.833	1446822	11.344	300	ug/ml
Aliphatic C12-C16	6.834	10.264	2078064	15.759	200	ug/ml
Aliphatic C16-C21	10.265	13.628	16325165	118.635	300	ug/ml
Aliphatic C21-C28	13.629	17.288	16244502	117.149	400	ug/ml
Aliphatic C28-C40	17.289	22.181	104429860	925.001	600	ug/ml
Aliphatic EPH	3.223	22.181	140524413	1190		ug/ml
ortho-Terphenyl (SURR)	11.939	11.939	6052538	39.69		ug/ml
1-chlorooctadecane (SURR)	13.374	13.374	4879862	40.62		ug/ml
Aliphatic C9-C28	3.223	17.288	36094553	262.887	1200	ug/ml