

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-17	SDG No.:	P4711
Lab Sample ID:	P4711-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.4
Sample Wt/Vol:	30.09 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 8:00	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	122		5	9.71	10.8	mg/kg FC067652.D
Aliphatic C9-C28	Aliphatic C9-C28	146		5	9.28	21.6	mg/kg FC067652.D
Total AliphaticEPH	Total AliphaticEPH	268			19.0	32.4	mg/kg
Total EPH	Total EPH	268			19.0	32.4	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
FC067644.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	154	E	1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	128	E	1.94	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	54.7		40 - 140	109%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.0		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4711-06	Acq On:	06 Nov 2024 19:24
Client Sample ID:	CF-613-COMP-17	Operator:	YP/AJ
Data file:	FC067644.D	Misc:	
Instrument:	FID_C	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	2193622	16.193	300	ug/ml
Aliphatic C12-C16	6.451	9.839	14487190	110.017	200	ug/ml
Aliphatic C16-C21	9.840	13.197	107196008	842.503	300	ug/ml
Aliphatic C21-C28	13.198	16.850	140585653	1170	400	ug/ml
Aliphatic C28-C40	16.851	21.690	180108199	1780	600	ug/ml
Aliphatic EPH	3.171	21.690	444570672	3920		ug/ml
ortho-Terphenyl (SURR)	11.496	11.496	4700238	32.03		ug/ml
1-chlorooctadecane (SURR)	12.930	12.930	5906947	54.7		ug/ml
Aliphatic C9-C28	3.171	16.850	264462473	2140	1200	ug/ml