

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-613-49	SDG No.:	P4711
Lab Sample ID:	P4711-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
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 9:13	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	99.1		5	9.53	10.6	mg/kg	FC067654.D
Aliphatic C9-C28	Aliphatic C9-C28	102		5	9.11	21.2	mg/kg	FC067654.D
Total AliphaticEPH	Total AliphaticEPH	201			18.6	31.8	mg/kg	
Total EPH	Total EPH	201			18.6	31.8	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

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-613-49	SDG No.:	P4711
Lab Sample ID:	P4711-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.07 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
FC067646.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	101	E	1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	111	E	1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.9		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.7		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4711-09	Acq On:	06 Nov 2024 20:38
Client Sample ID:	CF-613-49	Operator:	YP/AJ
Data file:	FC067646.D	Misc:	
Instrument:	FID_C	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	2539178	18.744	300	ug/ml
Aliphatic C12-C16	6.451	9.839	11762174	89.323	200	ug/ml
Aliphatic C16-C21	9.840	13.197	71083214	558.676	300	ug/ml
Aliphatic C21-C28	13.198	16.850	91605844	762.807	400	ug/ml
Aliphatic C28-C40	16.851	21.690	160239220	1590	600	ug/ml
Aliphatic EPH	3.171	21.690	337229630	3010		ug/ml
ortho-Terphenyl (SURR)	11.496	11.496	4063864	27.7		ug/ml
1-chlorooctadecane (SURR)	12.931	12.931	4521301	41.87		ug/ml
Aliphatic C9-C28	3.171	16.850	176990410	1430	1200	ug/ml