

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-613-48	SDG No.:	P4711
Lab Sample ID:	P4711-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/06/24 08:32	11/07/24 8:36	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	166		10	19.5	21.7	mg/kg FC067653.D
Aliphatic C9-C28	Aliphatic C9-C28	408		10	18.7	43.5	mg/kg FC067653.D
Total AliphaticEPH	Total AliphaticEPH	574			38.2	65.2	mg/kg
Total EPH	Total EPH	574			38.2	65.2	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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Analytical Method:	NJEPH	% Solid:	92.1
Sample Wt/Vol:	30.02 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
FC067645.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	384	E	1.87	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	169	E	1.95	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	93.8		40 - 140	188%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4711-08	Acq On:	06 Nov 2024 20:01
Client Sample ID:	CF-613-48	Operator:	YP/AJ
Data file:	FC067645.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.171	6.450	3502065	25.851	300	ug/ml
Aliphatic C12-C16	6.451	9.839	48119513	365.423	200	ug/ml
Aliphatic C16-C21	9.840	13.197	295245465	2320	300	ug/ml
Aliphatic C21-C28	13.198	16.850	315029116	2620	400	ug/ml
Aliphatic C28-C40	16.851	21.690	236915469	2340	600	ug/ml
Aliphatic EPH	3.171	21.690	898811628	7680		ug/ml
ortho-Terphenyl (SURR)	11.502	11.502	4763889	32.47		ug/ml
1-chlorooctadecane (SURR)	12.941	12.941	10131181	93.82		ug/ml
Aliphatic C9-C28	3.171	16.850	661896159	5340	1200	ug/ml