

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Port St Sub IP Pole	Date Received:	11/14/24
Client Sample ID:	TP-1	SDG No.:	P4848
Lab Sample ID:	P4848-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/15/24 09:30	11/16/24 0:28	PB164994

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	20.1		1	2.11	2.34	mg/kg FC067789.D
Aliphatic C9-C28	Aliphatic C9-C28	41.7		1	2.01	4.68	mg/kg FC067789.D
Total AliphaticEPH	Total AliphaticEPH	61.8			4.12	7.02	mg/kg
Total EPH	Total EPH	61.8			4.12	7.02	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:	85.3
Sample Wt/Vol:	30.04 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
FC067789.D	1	11/15/24	11/16/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	41.7		2.01	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.1		2.11	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.7		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4848-01	Acq On:	16 Nov 2024 00:28
Client Sample ID:	TP-1	Operator:	YP/AJ
Data file:	FC067789.D	Misc:	
Instrument:	FID_C	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.172	21.693	118182170	791.18		ug/ml
ortho-Terphenyl (SURR)	11.491	11.491	5858564	30.22		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	4167401	28.71		ug/ml
Aliphatic C9-C12	3.172	6.448	6106107	36.83	300	ug/ml
Aliphatic C12-C16	6.449	9.838	11326095	66.474	200	ug/ml
Aliphatic C16-C21	9.839	13.196	25481195	150.224	300	ug/ml
Aliphatic C21-C28	13.197	16.850	44150500	280.713	400	ug/ml
Aliphatic C28-C40	16.851	21.693	31118273	256.939	600	ug/ml
Aliphatic C9-C28	3.172	16.850	87063897	534.241	1200	ug/ml