

Report of Analysis

Client:	PSEG	Date Collected:	11/04/24
Project:	PSEG 69th St Distribution	Date Received:	11/04/24
Client Sample ID:	MH-8	SDG No.:	P4700
Lab Sample ID:	P4700-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.06	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 9:16	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	67.9		2	3.94	4.38	mg/kg FF014946.D
Aliphatic C9-C28	Aliphatic C9-C28	9.92		1	1.88	4.37	mg/kg FF014930.D
Total AliphaticEPH	Total AliphaticEPH	77.8			5.82	8.75	mg/kg
Total EPH	Total EPH	77.8			5.82	8.75	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF014930.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	9.92		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	60.8	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.8		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4700-01	Acq On:	06 Nov 2024 15:01
Client Sample ID:	MH-8	Operator:	YP\AJ
Data file:	FF014930.D	Misc:	
Instrument:	FID_F	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.833	1351970	10.601	300	ug/ml
Aliphatic C12-C16	6.834	10.264	2274770	17.251	200	ug/ml
Aliphatic C16-C21	10.265	13.628	5453136	39.628	300	ug/ml
Aliphatic C21-C28	13.629	17.288	9509269	68.577	400	ug/ml
Aliphatic C28-C40	17.289	22.181	94137719	833.837	600	ug/ml
Aliphatic EPH	3.223	22.181	112726864	969.893		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	4945655	32.43		ug/ml
1-chlorooctadecane (SURR)	13.363	13.363	3824109	31.83		ug/ml
Aliphatic C9-C28	3.223	17.288	18589145	136.057	1200	ug/ml