

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-EPH	SDG No.:	P4700
Lab Sample ID:	P4700-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.6
Sample Wt/Vol:	30.09	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 9:44	PB164709

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	131		5	9.90	11.0	mg/kg FF014947.D
Aliphatic C9-C28	Aliphatic C9-C28	15.0		1	1.89	4.40	mg/kg FF014931.D
Total AliphaticEPH	Total AliphaticEPH	146			11.8	15.4	mg/kg
Total EPH	Total EPH	146			11.8	15.4	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FF014931.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	15.0		1.89	4.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	118	E	1.98	2.20	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.6		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.0		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4700-02	Acq On:	06 Nov 2024 15:29
Client Sample ID:	MH-8-EPH	Operator:	YP\AJ
Data file:	FF014931.D	Misc:	
Instrument:	FID_F	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.833	1420150	11.135	300	ug/ml
Aliphatic C12-C16	6.834	10.264	3407333	25.84	200	ug/ml
Aliphatic C16-C21	10.265	13.628	8079931	58.717	300	ug/ml
Aliphatic C21-C28	13.629	17.288	14989670	108.099	400	ug/ml
Aliphatic C28-C40	17.289	22.181	182175635	1610	600	ug/ml
Aliphatic EPH	3.223	22.181	210072719	1820		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	6854768	44.95		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	5362101	44.63		ug/ml
Aliphatic C9-C28	3.223	17.288	27897084	203.791	1200	ug/ml