

Report of Analysis

Client:	PSEG	Date Collected:	11/16/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/18/24
Client Sample ID:	MH-763	SDG No.:	P4893
Lab Sample ID:	P4893-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87
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
11/19/24 09:45	11/19/24 14:06	PB165088

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.29		1	2.06	2.29	mg/kg	FE051346.D
Aliphatic C9-C28	Aliphatic C9-C28	27.9		1	1.97	4.59	mg/kg	FE051346.D
Total AliphaticEPH	Total AliphaticEPH	34.1			4.03	6.88	mg/kg	
Total EPH	Total EPH	34.1			4.03	6.88	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
FE051346.D	1	11/19/24	11/19/24	PB165088

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	27.9		1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.29		2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.1		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.7		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4893-01	Acq On:	19 Nov 2024 14:06
Client Sample ID:	MH-763	Operator:	YP\AJ
Data file:	FE051346.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.136	6.752	2810427	20.087	300	ug/ml
Aliphatic C12-C16	6.753	10.184	19103267	135.835	200	ug/ml
Aliphatic C16-C21	10.185	13.543	24654529	178.957	300	ug/ml
Aliphatic C21-C28	13.544	17.198	3869407	28.887	400	ug/ml
Aliphatic C28-C40	17.199	22.041	10593518	82.281	600	ug/ml
Aliphatic EPH	3.136	22.041	61031148	446.046		ug/ml
ortho-Terphenyl (SURR)	11.843	11.843	4011548	26.73		ug/ml
1-chlorooctadecane (SURR)	13.277	13.277	3075114	27.09		ug/ml
Aliphatic C9-C28	3.136	17.198	50437630	363.766	1200	ug/ml