

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-EPH	SDG No.:	P4893
Lab Sample ID:	P4893-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/19/24 09:45	11/19/24 14:36	PB165088

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	4.60		1	2.06	2.29	mg/kg FE051347.D
Aliphatic C9-C28	Aliphatic C9-C28	8.60		1	1.97	4.56	mg/kg FE051347.D
Total AliphaticEPH	Total AliphaticEPH	13.2			4.03	6.85	mg/kg
Total EPH	Total EPH	13.2			4.03	6.85	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051347.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	8.60		1.97	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.60		2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.0		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.0		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4893-02	Acq On:	19 Nov 2024 14:36
Client Sample ID:	MH-763-EPH	Operator:	YP\AJ
Data file:	FE051347.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.136	6.752	754445	5.392	300	ug/ml
Aliphatic C12-C16	6.753	10.184	6659401	47.352	200	ug/ml
Aliphatic C16-C21	10.185	13.543	7191045	52.197	300	ug/ml
Aliphatic C21-C28	13.544	17.198	1778567	13.278	400	ug/ml
Aliphatic C28-C40	17.199	22.041	7772671	60.371	600	ug/ml
Aliphatic EPH	3.136	22.041	24156129	178.59		ug/ml
ortho-Terphenyl (SURR)	11.845	11.845	4049539	26.98		ug/ml
1-chlorooctadecane (SURR)	13.278	13.278	3068141	27.02		ug/ml
Aliphatic C9-C28	3.136	17.198	16383458	118.219	1200	ug/ml