

Report of Analysis

Client:	PSEG	Date Collected:	11/20/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/20/24
Client Sample ID:	MH-734-EPH	SDG No.:	P4938
Lab Sample ID:	P4938-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
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
11/21/24 09:10	11/21/24 18:50	PB165156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	8.51		1	2.03	2.25	mg/kg FE051396.D
Aliphatic C9-C28	Aliphatic C9-C28	80.7		1	1.94	4.51	mg/kg FE051396.D
Total AliphaticEPH	Total AliphaticEPH	89.2			3.97	6.76	mg/kg
Total EPH	Total EPH	89.2			3.97	6.76	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
FE051396.D	1	11/21/24	11/21/24	PB165156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	80.7		1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.51		2.03	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.8		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4938-06	Acq On:	21 Nov 2024 18:50
Client Sample ID:	MH-734-EPH	Operator:	YP\AJ
Data file:	FE051396.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.746	5067177	36.216	300	ug/ml
Aliphatic C12-C16	6.747	10.179	39094794	277.987	200	ug/ml
Aliphatic C16-C21	10.180	13.540	72270563	524.582	300	ug/ml
Aliphatic C21-C28	13.541	17.195	31843412	237.723	400	ug/ml
Aliphatic C28-C40	17.196	22.038	14606789	113.452	600	ug/ml
Aliphatic EPH	3.133	22.038	162882735	1190		ug/ml
ortho-Terphenyl (SURR)	11.843	11.843	4315147	28.75		ug/ml
1-chlorooctadecane (SURR)	13.276	13.276	3544149	31.22		ug/ml
Aliphatic C9-C28	3.133	17.195	148275946	1080	1200	ug/ml