

Report of Analysis

Client:	PSEG	Date Collected:	10/31/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/31/24
Client Sample ID:	BP-F-5-EPH	SDG No.:	P4667
Lab Sample ID:	P4667-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/04/24 09:15	11/04/24 17:56	PB164640

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.91		1	2.02	2.24	mg/kg	FE051003.D
Aliphatic C9-C28	Aliphatic C9-C28	2.85	J	1	1.93	4.48	mg/kg	FE051003.D
Total AliphaticEPH	Total AliphaticEPH	10.8			3.95	6.72	mg/kg	
Total EPH	Total EPH	10.8			3.95	6.72	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
FE051003.D	1	11/04/24	11/04/24	PB164640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.85	J	1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.91		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.9		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.3		40 - 140	95%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4667-06	Acq On:	04 Nov 2024 17:56
Client Sample ID:	BP-F-5-EPH	Operator:	YP\AJ
Data file:	FE051003.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.142	6.760	304998	2.134	300	ug/ml
Aliphatic C12-C16	6.761	10.192	1758101	12.115	200	ug/ml
Aliphatic C16-C21	10.193	13.552	1698266	11.761	300	ug/ml
Aliphatic C21-C28	13.553	17.206	2040158	14.352	400	ug/ml
Aliphatic C28-C40	17.207	22.051	14666196	106.044	600	ug/ml
Aliphatic EPH	3.142	22.051	20467719	146.405		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	7452133	47.27		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	5667905	47.91		ug/ml
Aliphatic C9-C28	3.142	17.206	5801523	40.362	1200	ug/ml