

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-7-EPH	SDG No.:	P4667
Lab Sample ID:	P4667-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.7
Sample Wt/Vol:	30.08 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 18:56	PB164640

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.42		1	2.05	2.27	mg/kg	FE051005.D
Aliphatic C9-C28	Aliphatic C9-C28	2.48	J	1	1.96	4.56	mg/kg	FE051005.D
Total AliphaticEPH	Total AliphaticEPH	7.90			4.01	6.83	mg/kg	
Total EPH	Total EPH	7.90			4.01	6.83	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
FE051005.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	2.48	J	1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.42		2.05	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.2		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.9		40 - 140	84%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4667-14	Acq On:	04 Nov 2024 18:56
Client Sample ID:	BP-F-7-EPH	Operator:	YP\AJ
Data file:	FE051005.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.142	6.760	270435	1.892	300	ug/ml
Aliphatic C12-C16	6.761	10.192	1507268	10.386	200	ug/ml
Aliphatic C16-C21	10.193	13.552	1155311	8.001	300	ug/ml
Aliphatic C21-C28	13.553	17.206	2051086	14.429	400	ug/ml
Aliphatic C28-C40	17.207	22.051	9894163	71.54	600	ug/ml
Aliphatic EPH	3.142	22.051	14878263	106.248		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	6608449	41.92		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	5345181	45.19		ug/ml
Aliphatic C9-C28	3.142	17.206	4984100	34.708	1200	ug/ml