

Report of Analysis

Client:	PSEG	Date Collected:	11/12/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/12/24
Client Sample ID:	BP-F-2-EPH	SDG No.:	P4821
Lab Sample ID:	P4821-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:10	11/13/24 19:12	PB164942

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.35		1	1.95	2.16	mg/kg	FE051207.D
Aliphatic C9-C28	Aliphatic C9-C28	2.98	J	1	1.86	4.32	mg/kg	FE051207.D
Total AliphaticEPH	Total AliphaticEPH	12.3			3.81	6.48	mg/kg	
Total EPH	Total EPH	12.3			3.81	6.48	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051207.D	1	11/13/24	11/13/24	PB164942

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.98	J	1.86	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.35		1.95	2.16	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.9		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.8		40 - 140	62%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4821-06	Acq On:	13 Nov 2024 19:12
Client Sample ID:	BP-F-2-EPH	Operator:	YP\AJ
Data file:	FE051207.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	3.138	6.755	364139	2.603	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1673004	11.896	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1438598	10.442	300	ug/ml
Aliphatic C21-C28	13.547	17.200	2550709	19.042	400	ug/ml
Aliphatic C28-C40	17.201	22.043	16682883	129.577	600	ug/ml
Aliphatic EPH	3.138	22.043	22709333	173.56		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	4621198	30.79		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3503881	30.86		ug/ml
Aliphatic C9-C28	3.138	17.200	6026450	43.983	1200	ug/ml