

Report of Analysis

Client:	PSEG	Date Collected:	10/26/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/28/24
Client Sample ID:	BP-F15-EPH	SDG No.:	P4594
Lab Sample ID:	P4594-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.8
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
10/29/24 09:50	10/29/24 20:41	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.97		1	2.05	2.28	mg/kg	FG014568.D
Aliphatic C9-C28	Aliphatic C9-C28	3.73	J	1	1.96	4.56	mg/kg	FG014568.D
Total AliphaticEPH	Total AliphaticEPH	8.70			4.01	6.84	mg/kg	
Total EPH	Total EPH	8.70			4.01	6.84	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
FG014568.D	1	10/29/24	10/29/24	PB164498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.73	J	1.96	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.97		2.05	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.9		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.0		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4594-18	Acq On:	29 Oct 2024 20:41
Client Sample ID:	BP-F15-EPH	Operator:	YP\AJ
Data file:	FG014568.D	Misc:	
Instrument:	FID_G	ALS Vial:	48
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.859	4138559	31.51	300	ug/ml
Aliphatic C12-C16	6.860	10.304	1301543	9.583	200	ug/ml
Aliphatic C16-C21	10.305	13.675	1133197	8.023	300	ug/ml
Aliphatic C21-C28	13.676	17.338	1664484	11.84	400	ug/ml
Aliphatic C28-C40	17.339	22.271	6916114	65.44	600	ug/ml
Aliphatic EPH	3.236	22.271	15153897	126.395		ug/ml
ortho-Terphenyl (SURR)	11.963	11.963	4591198	29.96		ug/ml
1-chlorooctadecane (SURR)	13.402	13.402	3675822	29.94		ug/ml
Aliphatic C9-C28	3.236	17.338	8237783	60.956	1200	ug/ml