

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-F17-EPH	SDG No.:	P4594
Lab Sample ID:	P4594-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
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
10/29/24 09:50	10/29/24 17:51	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	5.76		1	2.02	2.25	mg/kg FG014562.D
Aliphatic C9-C28	Aliphatic C9-C28	8.68		1	1.93	4.49	mg/kg FG014562.D
Total AliphaticEPH	Total AliphaticEPH	14.4			3.95	6.74	mg/kg
Total EPH	Total EPH	14.4			3.95	6.74	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
FG014562.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	8.68		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.76		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.7		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4594-06	Acq On:	29 Oct 2024 17:51
Client Sample ID:	BP-F17-EPH	Operator:	YP\AJ
Data file:	FG014562.D	Misc:	
Instrument:	FID_G	ALS Vial:	42
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.859	4349430	33.116	300	ug/ml
Aliphatic C12-C16	6.860	10.304	1343593	9.892	200	ug/ml
Aliphatic C16-C21	10.305	13.675	10297261	72.901	300	ug/ml
Aliphatic C21-C28	13.676	17.338	1437902	10.228	400	ug/ml
Aliphatic C28-C40	17.339	22.271	8123779	76.866	600	ug/ml
Aliphatic EPH	3.236	22.271	25551965	203.003		ug/ml
ortho-Terphenyl (SURR)	11.965	11.965	4986928	32.54		ug/ml
1-chlorooctadecane (SURR)	13.404	13.404	4018821	32.73		ug/ml
Aliphatic C9-C28	3.236	17.338	17428186	126.137	1200	ug/ml