

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	SDG No.:	P4594
Lab Sample ID:	P4594-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.07 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 17:23	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	6.08		1	2.02	2.24	mg/kg FG014561.D
Aliphatic C9-C28	Aliphatic C9-C28	9.41		1	1.93	4.48	mg/kg FG014561.D
Total AliphaticEPH	Total AliphaticEPH	15.5			3.95	6.72	mg/kg
Total EPH	Total EPH	15.5			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
FG014561.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	9.41		1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.08		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.6		40 - 140	49%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.0		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4594-05	Acq On:	29 Oct 2024 17:23
Client Sample ID:	BP-F17	Operator:	YP\AJ
Data file:	FG014561.D	Misc:	
Instrument:	FID_G	ALS Vial:	41
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.859	4372648	33.292	300	ug/ml
Aliphatic C12-C16	6.860	10.304	8043812	59.223	200	ug/ml
Aliphatic C16-C21	10.305	13.675	4710415	33.348	300	ug/ml
Aliphatic C21-C28	13.676	17.338	1613915	11.48	400	ug/ml
Aliphatic C28-C40	17.339	22.271	8592951	81.306	600	ug/ml
Aliphatic EPH	3.236	22.271	27333741	218.649		ug/ml
ortho-Terphenyl (SURR)	11.964	11.964	3673653	23.97		ug/ml
1-chlorooctadecane (SURR)	13.402	13.402	3024595	24.63		ug/ml
Aliphatic C9-C28	3.236	17.338	18740790	137.343	1200	ug/ml