

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:	TP-5-EPH	SDG No.:	P4594
Lab Sample ID:	P4594-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/29/24 09:50	10/29/24 19:44	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.02		1	2.02	2.24	mg/kg	FG014566.D
Aliphatic C9-C28	Aliphatic C9-C28	3.78	J	1	1.93	4.49	mg/kg	FG014566.D
Total AliphaticEPH	Total AliphaticEPH	8.80			3.95	6.73	mg/kg	
Total EPH	Total EPH	8.80			3.95	6.73	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
FG014566.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	3.78	J	1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.02		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.6		40 - 140	51%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.8		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4594-14	Acq On:	29 Oct 2024 19:44
Client Sample ID:	TP-5-EPH	Operator:	YP\AJ
Data file:	FG014566.D	Misc:	
Instrument:	FID_G	ALS Vial:	46
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.859	4440762	33.811	300	ug/ml
Aliphatic C12-C16	6.860	10.304	1269136	9.344	200	ug/ml
Aliphatic C16-C21	10.305	13.675	1034634	7.325	300	ug/ml
Aliphatic C21-C28	13.676	17.338	1509797	10.74	400	ug/ml
Aliphatic C28-C40	17.339	22.271	7096198	67.144	600	ug/ml
Aliphatic EPH	3.236	22.271	15350527	128.363		ug/ml
ortho-Terphenyl (SURR)	11.962	11.962	3794522	24.76		ug/ml
1-chlorooctadecane (SURR)	13.401	13.401	3142868	25.6		ug/ml
Aliphatic C9-C28	3.236	17.338	8254329	61.22	1200	ug/ml