

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-F16	SDG No.:	P4594
Lab Sample ID:	P4594-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
Sample Wt/Vol:	30.01	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 18:19	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.63		1	2.12	2.36	mg/kg	FG014563.D
Aliphatic C9-C28	Aliphatic C9-C28	3.54	J	1	2.03	4.72	mg/kg	FG014563.D
Total AliphaticEPH	Total AliphaticEPH	9.18			4.15	7.08	mg/kg	
Total EPH	Total EPH	9.18			4.15	7.08	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
FG014563.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	3.54	J	2.03	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.63		2.12	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.6		40 - 140	53%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.1		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4594-09	Acq On:	29 Oct 2024 18:19
Client Sample ID:	BP-F16	Operator:	YP\AJ
Data file:	FG014563.D	Misc:	
Instrument:	FID_G	ALS Vial:	43
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.236	6.859	4478841	34.101	300	ug/ml
Aliphatic C12-C16	6.860	10.304	655298	4.825	200	ug/ml
Aliphatic C16-C21	10.305	13.675	873479	6.184	300	ug/ml
Aliphatic C21-C28	13.676	17.338	1069844	7.61	400	ug/ml
Aliphatic C28-C40	17.339	22.271	7569921	71.626	600	ug/ml
Aliphatic EPH	3.236	22.271	14647383	124.345		ug/ml
ortho-Terphenyl (SURR)	11.963	11.963	4006842	26.14		ug/ml
1-chlorooctadecane (SURR)	13.402	13.402	3266835	26.6		ug/ml
Aliphatic C9-C28	3.236	17.338	7077462	52.72	1200	ug/ml