

Report of Analysis

Client:	PSEG	Date Collected:	10/24/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/24/24
Client Sample ID:	BP-F-21-EPH	SDG No.:	P4547
Lab Sample ID:	P4547-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
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
10/25/24 09:00	10/25/24 18:16	PB164395

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	15.1		1	2.03	2.26	mg/kg	FE050843.D
Aliphatic C9-C28	Aliphatic C9-C28	2.56	J	1	1.94	4.52	mg/kg	FE050843.D
Total AliphaticEPH	Total AliphaticEPH	17.7			3.97	6.78	mg/kg	
Total EPH	Total EPH	17.7			3.97	6.78	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
FE050843.D	1	10/25/24	10/25/24	PB164395

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.56	J	1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.1		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.9		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4547-02	Acq On:	25 Oct 2024 18:16
Client Sample ID:	BP-F-21-EPH	Operator:	YP\AJ
Data file:	FE050843.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.762	536419	3.754	300	ug/ml
Aliphatic C12-C16	6.763	10.194	1399404	9.643	200	ug/ml
Aliphatic C16-C21	10.195	13.554	1395170	9.662	300	ug/ml
Aliphatic C21-C28	13.555	17.210	2074019	14.59	400	ug/ml
Aliphatic C28-C40	17.211	22.058	27704856	200.32	600	ug/ml
Aliphatic EPH	3.147	22.058	33109868	237.968		ug/ml
ortho-Terphenyl (SURR)	11.860	11.860	6453865	40.94		ug/ml
1-chlorooctadecane (SURR)	13.293	13.293	5030929	42.53		ug/ml
Aliphatic C9-C28	3.147	17.210	5405012	37.649	1200	ug/ml