

Report of Analysis

Client:	PSEG	Date Collected:	10/25/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/25/24
Client Sample ID:	BP-F-18	SDG No.:	P4561
Lab Sample ID:	P4561-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.8
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
10/26/24 09:00	10/28/24 12:01	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.55		1	2.09	2.33	mg/kg	FG014527.D
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	1	2.00	4.64	mg/kg	FG014527.D
Total AliphaticEPH	Total AliphaticEPH	6.97	J		4.09	6.97	mg/kg	
Total EPH	Total EPH	6.97	J		4.09	6.97	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

Report of Analysis

Client:	PSEG	Date Collected:	10/25/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/25/24
Client Sample ID:	BP-F-18	SDG No.:	P4561
Lab Sample ID:	P4561-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.8
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014527.D	1	10/26/24	10/28/24	PB164436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.42	J	2.00	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.55		2.09	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.8		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.4		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4561-05	Acq On:	28 Oct 2024 12:01
Client Sample ID:	BP-F-18	Operator:	YP\AJ
Data file:	FG014527.D	Misc:	
Instrument:	FID_G	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.242	6.863	4369724	33.27	300	ug/ml
Aliphatic C12-C16	6.864	10.305	541000	3.983	200	ug/ml
Aliphatic C16-C21	10.306	13.674	968982	6.86	300	ug/ml
Aliphatic C21-C28	13.675	17.337	1319712	9.388	400	ug/ml
Aliphatic C28-C40	17.338	22.267	4839326	45.789	600	ug/ml
Aliphatic EPH	3.242	22.267	12038744	99.29		ug/ml
ortho-Terphenyl (SURR)	11.970	11.970	4045725	26.4		ug/ml
1-chlorooctadecane (SURR)	13.407	13.407	3165817	25.78		ug/ml
Aliphatic C9-C28	3.242	17.337	7199418	53.501	1200	ug/ml