

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-EPH	SDG No.:	P4561
Lab Sample ID:	P4561-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
Sample Wt/Vol:	30.06 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 12:30	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.01		1	2.12	2.35	mg/kg FG014528.D
Aliphatic C9-C28	Aliphatic C9-C28	5.53		1	2.02	4.71	mg/kg FG014528.D
Total AliphaticEPH	Total AliphaticEPH	8.54			4.14	7.07	mg/kg
Total EPH	Total EPH	8.54			4.14	7.07	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
FG014528.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	5.53		2.02	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.01		2.12	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	23.6		40 - 140	47%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.1		40 - 140	48%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4561-06	Acq On:	28 Oct 2024 12:30
Client Sample ID:	BP-F-18-EPH	Operator:	YP\AJ
Data file:	FG014528.D	Misc:	
Instrument:	FID_G	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.242	6.863	4390316	33.427	300	ug/ml
Aliphatic C12-C16	6.864	10.305	553298	4.074	200	ug/ml
Aliphatic C16-C21	10.306	13.674	4660924	32.998	300	ug/ml
Aliphatic C21-C28	13.675	17.337	1159251	8.246	400	ug/ml
Aliphatic C28-C40	17.338	22.267	4060950	38.424	600	ug/ml
Aliphatic EPH	3.242	22.267	14824739	117.169		ug/ml
ortho-Terphenyl (SURR)	11.971	11.971	3700530	24.14		ug/ml
1-chlorooctadecane (SURR)	13.407	13.407	2902827	23.64		ug/ml
Aliphatic C9-C28	3.242	17.337	10763789	78.745	1200	ug/ml