

Report of Analysis

Client:	PSEG	Date Collected:	10/30/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/30/24
Client Sample ID:	BP-F9-ADDITIONAL-EPH	SDG No.:	P4643
Lab Sample ID:	P4643-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/01/24 08:50	11/01/24 18:34	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.60		1	2.02	2.25	mg/kg	FE050971.D
Aliphatic C9-C28	Aliphatic C9-C28	5.96		1	1.93	4.49	mg/kg	FE050971.D
Total AliphaticEPH	Total AliphaticEPH	11.6			3.95	6.74	mg/kg	
Total EPH	Total EPH	11.6			3.95	6.74	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
FE050971.D	1	11/01/24	11/01/24	PB164589

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.96		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.60		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	46.1		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.7		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4643-02	Acq On:	01 Nov 2024 18:34
Client Sample ID:	BP-F9-ADDITIONAL-EPE	Operator:	YP\AJ
Data file:	FE050971.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	22079359	156.298		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	6886849	43.68		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	5453441	46.1		ug/ml
Aliphatic C9-C12	3.143	6.761	283041	1.981	300	ug/ml
Aliphatic C12-C16	6.762	10.193	910871	6.277	200	ug/ml
Aliphatic C16-C21	10.194	13.552	8272194	57.286	300	ug/ml
Aliphatic C21-C28	13.553	17.208	2274523	16	400	ug/ml
Aliphatic C28-C40	17.209	22.051	10338730	74.754	600	ug/ml
Aliphatic C9-C28	3.143	17.208	11740629	81.544	1200	ug/ml