

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:	TP-9-EPH	SDG No.:	P4643
Lab Sample ID:	P4643-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/01/24 08:50	11/01/24 22:05	PB164589

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.15		1	2.02	2.24	mg/kg	FE050978.D
Aliphatic C9-C28	Aliphatic C9-C28	4.49	U	1	1.93	4.49	mg/kg	FE050978.D
Total AliphaticEPH	Total AliphaticEPH	4.15	J		3.95	6.73	mg/kg	
Total EPH	Total EPH	4.15	J		3.95	6.73	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE050978.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	0.000	U	1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.15		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.2		40 - 140	54%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4643-10	Acq On:	01 Nov 2024 22:05
Client Sample ID:	TP-9-EPH	Operator:	YP\AJ
Data file:	FE050978.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.143	22.051	11617244	82.935		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	4187382	26.56		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	3214981	27.18		ug/ml
Aliphatic C9-C12	3.143	6.761	301713	2.111	300	ug/ml
Aliphatic C12-C16	6.762	10.193	1236185	8.518	200	ug/ml
Aliphatic C16-C21	10.194	13.552	940488	6.513	300	ug/ml
Aliphatic C21-C28	13.553	17.208	1463072	10.292	400	ug/ml
Aliphatic C28-C40	17.209	22.051	7675786	55.5	600	ug/ml
Aliphatic C9-C28	3.143	17.208	3941458	27.434	1200	ug/ml