

Report of Analysis

Client:	PSEG	Date Collected:	11/06/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/06/24
Client Sample ID:	TP-11-EPH	SDG No.:	P4739
Lab Sample ID:	P4739-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/08/24 15:38	PB164751

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	111		5	9.82	10.9	mg/kg	FE051121.D
Aliphatic C9-C28	Aliphatic C9-C28	16.4		1	1.88	4.36	mg/kg	FE051101.D
Total AliphaticEPH	Total AliphaticEPH	127			11.7	15.3	mg/kg	
Total EPH	Total EPH	127			11.7	15.3	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
FE051101.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.4		1.88	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	97.7	E	1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.2		40 - 140	98%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.2		40 - 140	88%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4739-14	Acq On:	07 Nov 2024 23:41
Client Sample ID:	TP-11-EPH	Operator:	YP\AJ
Data file:	FE051101.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	1716171	12.266	300	ug/ml
Aliphatic C12-C16	6.758	10.189	2664837	18.949	200	ug/ml
Aliphatic C16-C21	10.190	13.548	8354662	60.643	300	ug/ml
Aliphatic C21-C28	13.549	17.202	17907972	133.69	400	ug/ml
Aliphatic C28-C40	17.203	22.047	172869854	1340	600	ug/ml
Aliphatic EPH	3.140	22.047	203513496	1570		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	6628119	44.16		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	5587251	49.21		ug/ml
Aliphatic C9-C28	3.140	17.202	30643642	225.548	1200	ug/ml