

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/15/24
Client Sample ID:	TP-15-EPH	SDG No.:	P4870
Lab Sample ID:	P4870-11	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/15/24 09:30	11/16/24 5:25	PB164994

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.16		1	2.07	2.30	mg/kg	FE051288.D
Aliphatic C9-C28	Aliphatic C9-C28	4.61	U	1	1.98	4.61	mg/kg	FE051288.D
Total AliphaticEPH	Total AliphaticEPH	5.16	J		4.05	6.91	mg/kg	
Total EPH	Total EPH	5.16	J		4.05	6.91	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051288.D	1	11/15/24	11/16/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.98	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.16		2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.0		40 - 140	60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.4		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4870-11	Acq On:	16 Nov 2024 05:25
Client Sample ID:	TP-15-EPH	Operator:	YP\AJ
Data file:	FE051288.D	Misc:	
Instrument:	FID_E	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.134	6.753	1461371	10.445	300	ug/ml
Aliphatic C12-C16	6.754	10.185	1000915	7.117	200	ug/ml
Aliphatic C16-C21	10.186	13.544	851487	6.181	300	ug/ml
Aliphatic C21-C28	13.545	17.200	1133315	8.461	400	ug/ml
Aliphatic C28-C40	17.201	22.043	8649771	67.184	600	ug/ml
Aliphatic EPH	3.134	22.043	13096859	99.387		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	4563065	30.4		ug/ml
1-chlorooctadecane (SURR)	13.278	13.278	3403206	29.98		ug/ml
Aliphatic C9-C28	3.134	17.200	4447088	32.204	1200	ug/ml