

Report of Analysis

Client:	PSEG	Date Collected:	10/31/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/31/24
Client Sample ID:	BP-F-10-EPH	SDG No.:	P4667
Lab Sample ID:	P4667-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
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
11/04/24 09:15	11/05/24 0:26	PB164640

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.0		1	2.00	2.22	mg/kg	FE051016.D
Aliphatic C9-C28	Aliphatic C9-C28	3.00	J	1	1.91	4.44	mg/kg	FE051016.D
Total AliphaticEPH	Total AliphaticEPH	19.0			3.91	6.66	mg/kg	
Total EPH	Total EPH	19.0			3.91	6.66	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
FE051016.D	1	11/04/24	11/05/24	PB164640

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.00	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.0		2.00	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.5		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.4		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4667-10	Acq On:	05 Nov 2024 00:26
Client Sample ID:	BP-F-10-EPH	Operator:	YP\AJ
Data file:	FE051016.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	3.142	6.760	414229	2.899	300	ug/ml
Aliphatic C12-C16	6.761	10.192	1776703	12.243	200	ug/ml
Aliphatic C16-C21	10.193	13.552	1791016	12.403	300	ug/ml
Aliphatic C21-C28	13.553	17.206	2251613	15.839	400	ug/ml
Aliphatic C28-C40	17.207	22.051	29795967	215.439	600	ug/ml
Aliphatic EPH	3.142	22.051	36029528	258.823		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	6844421	43.41		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	5266363	44.52		ug/ml
Aliphatic C9-C28	3.142	17.206	6233561	43.384	1200	ug/ml