

Report of Analysis

Client:	PSEG	Date Collected:	11/04/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/04/24
Client Sample ID:	BP-F3-EPH	SDG No.:	P4701
Lab Sample ID:	P4701-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.4
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
11/05/24 09:56	11/06/24 1:28	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.86		1	2.18	2.42	mg/kg	FE051046.D
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	1	2.08	4.85	mg/kg	FE051046.D
Total AliphaticEPH	Total AliphaticEPH	11.4			4.26	7.27	mg/kg	
Total EPH	Total EPH	11.4			4.26	7.27	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
FE051046.D	1	11/05/24	11/06/24	PB164681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.50	J	2.08	4.85	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.86		2.18	2.42	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.3		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4701-02	Acq On:	06 Nov 2024 01:28
Client Sample ID:	BP-F3-EPH	Operator:	YP\AJ
Data file:	FE051046.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	1122757	7.857	300	ug/ml
Aliphatic C12-C16	6.761	10.191	1628281	11.22	200	ug/ml
Aliphatic C16-C21	10.192	13.549	1437322	9.954	300	ug/ml
Aliphatic C21-C28	13.550	17.205	2015862	14.181	400	ug/ml
Aliphatic C28-C40	17.206	22.048	13452844	97.271	600	ug/ml
Aliphatic EPH	3.140	22.048	19657066	140.482		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	6504032	41.25		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4779161	40.4		ug/ml
Aliphatic C9-C28	3.140	17.205	6204222	43.212	1200	ug/ml