

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	SDG No.:	P4701
Lab Sample ID:	P4701-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.7
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/05/24 09:56	11/06/24 0:58	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.42		1	2.14	2.38	mg/kg	FE051045.D
Aliphatic C9-C28	Aliphatic C9-C28	2.86	J	1	2.05	4.76	mg/kg	FE051045.D
Total AliphaticEPH	Total AliphaticEPH	11.3			4.19	7.14	mg/kg	
Total EPH	Total EPH	11.3			4.19	7.14	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
FE051045.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	2.86	J	2.05	4.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.42		2.14	2.38	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	50.4		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.7		40 - 140	99%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4701-01	Acq On:	06 Nov 2024 00:58
Client Sample ID:	BP-F3	Operator:	YP\AJ
Data file:	FE051045.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	302351	2.116	300	ug/ml
Aliphatic C12-C16	6.761	10.191	1629792	11.231	200	ug/ml
Aliphatic C16-C21	10.192	13.549	1633167	11.31	300	ug/ml
Aliphatic C21-C28	13.550	17.205	1911491	13.447	400	ug/ml
Aliphatic C28-C40	17.206	22.048	14672031	106.086	600	ug/ml
Aliphatic EPH	3.140	22.048	20148832	144.189		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	7835933	49.7		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	5967246	50.44		ug/ml
Aliphatic C9-C28	3.140	17.205	5476801	38.104	1200	ug/ml