

Report of Analysis

Client:	PSEG	Date Collected:	11/08/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/08/24
Client Sample ID:	BP-F21-EPH	SDG No.:	P4789
Lab Sample ID:	P4789-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/10/24 08:35	11/11/24 17:55	PB164844

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.25		1	2.04	2.26	mg/kg	FG014739.D
Aliphatic C9-C28	Aliphatic C9-C28	2.95	J	1	1.95	4.53	mg/kg	FG014739.D
Total AliphaticEPH	Total AliphaticEPH	6.20	J		3.99	6.79	mg/kg	
Total EPH	Total EPH	6.20	J		3.99	6.79	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
FG014739.D	1	11/10/24	11/11/24	PB164844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.95	J	1.95	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.25		2.04	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.1		40 - 140	64%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.1		40 - 140	66%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4789-02	Acq On:	11 Nov 2024 17:55
Client Sample ID:	BP-F21-EPH	Operator:	YP\AJ
Data file:	FG014739.D	Misc:	
Instrument:	FID_G	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.223	22.254	11779934	94.75		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	5081529	33.15		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	3946177	32.14		ug/ml
Aliphatic C9-C12	3.223	6.843	520766	3.965	300	ug/ml
Aliphatic C12-C16	6.844	10.286	678717	4.997	200	ug/ml
Aliphatic C16-C21	10.287	13.658	4816957	34.102	300	ug/ml
Aliphatic C21-C28	13.659	17.322	1212809	8.627	400	ug/ml
Aliphatic C28-C40	17.323	22.254	4550685	43.058	600	ug/ml
Aliphatic C9-C28	3.223	17.322	7229249	51.691	1200	ug/ml