

Report of Analysis

Client:	PSEG	Date Collected:	11/02/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/02/24
Client Sample ID:	BP-G5-WC-EPH	SDG No.:	P4693
Lab Sample ID:	P4693-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.5
Sample Wt/Vol:	30.02 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 9:49	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	96.9		5	10.6	11.8	mg/kg	FE051062.D
Aliphatic C9-C28	Aliphatic C9-C28	88.0		1	2.03	4.73	mg/kg	FE051036.D
Total AliphaticEPH	Total AliphaticEPH	185			12.6	16.5	mg/kg	
Total EPH	Total EPH	185			12.6	16.5	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
FE051036.D	1	11/05/24	11/05/24	PB164681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	88.0		2.03	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	95.7	E	2.13	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.4		40 - 140	67%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.4		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4693-02	Acq On:	05 Nov 2024 20:28
Client Sample ID:	BP-G5-WC-EPH	Operator:	YP\AJ
Data file:	FE051036.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	682681	4.777	300	ug/ml
Aliphatic C12-C16	6.761	10.191	1453107	10.013	200	ug/ml
Aliphatic C16-C21	10.192	13.549	3311774	22.935	300	ug/ml
Aliphatic C21-C28	13.550	17.205	153971940	1080	400	ug/ml
Aliphatic C28-C40	17.206	22.048	167807538	1210	600	ug/ml
Aliphatic EPH	3.140	22.048	327227040	2330		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	5270764	33.43		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	3947503	33.37		ug/ml
Aliphatic C9-C28	3.140	17.205	159419502	1120	1200	ug/ml