

Report of Analysis

Client:	PSEG	Date Collected:	11/12/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/12/24
Client Sample ID:	BP-F-24	SDG No.:	P4821
Lab Sample ID:	P4821-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/13/24 09:10	11/13/24 16:11	PB164942

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	2.03	2.26	mg/kg	FE051201.D
Aliphatic C9-C28	Aliphatic C9-C28	3.25	J	1	1.94	4.52	mg/kg	FE051201.D
Total AliphaticEPH	Total AliphaticEPH	13.7			3.97	6.78	mg/kg	
Total EPH	Total EPH	13.7			3.97	6.78	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051201.D	1	11/13/24	11/13/24	PB164942

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.25	J	1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.4		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.2		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4821-01	Acq On:	13 Nov 2024 16:11
Client Sample ID:	BP-F-24	Operator:	YP\AJ
Data file:	FE051201.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.138	6.755	363200	2.596	300	ug/ml
Aliphatic C12-C16	6.756	10.187	1723293	12.254	200	ug/ml
Aliphatic C16-C21	10.188	13.546	1402844	10.183	300	ug/ml
Aliphatic C21-C28	13.547	17.200	2776413	20.727	400	ug/ml
Aliphatic C28-C40	17.201	22.043	17754425	137.9	600	ug/ml
Aliphatic EPH	3.138	22.043	24020175	183.659		ug/ml
ortho-Terphenyl (SURR)	11.848	11.848	4530914	30.19		ug/ml
1-chlorooctadecane (SURR)	13.281	13.281	3591455	31.63		ug/ml
Aliphatic C9-C28	3.138	17.200	6265750	45.76	1200	ug/ml