

Report of Analysis

Client:	PSEG	Date Collected:	12/07/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/09/24
Client Sample ID:	TP-12-EPH	SDG No.:	P5216
Lab Sample ID:	P5216-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	83.1
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/10/24 09:15	12/10/24 16:35	PB165523

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	9.41		1	2.16	2.40	mg/kg FE051612.D
Aliphatic C9-C28	Aliphatic C9-C28	10.2		1	2.07	4.80	mg/kg FE051612.D
Total AliphaticEPH	Total AliphaticEPH	19.6			4.23	7.20	mg/kg
Total EPH	Total EPH	19.6			4.23	7.20	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
FE051612.D	1	12/10/24	12/10/24	PB165523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.2		2.07	4.80	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.41		2.16	2.40	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.5		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.3		40 - 140	87%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5216-14	Acq On:	10 Dec 2024 16:35
Client Sample ID:	TP-12-EPH	Operator:	YP\AJ
Data file:	FE051612.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.735	259600	1.835	300	ug/ml
Aliphatic C12-C16	6.736	10.168	1014582	7.209	200	ug/ml
Aliphatic C16-C21	10.169	13.527	14141924	101.667	300	ug/ml
Aliphatic C21-C28	13.528	17.184	2367177	18.097	400	ug/ml
Aliphatic C28-C40	17.185	22.021	12570421	117.371	600	ug/ml
Aliphatic EPH	3.119	22.021	30353704	246.18		ug/ml
ortho-Terphenyl (SURR)	11.829	11.829	6537452	43.26		ug/ml
1-chlorooctadecane (SURR)	13.262	13.262	5537837	49.55		ug/ml
Aliphatic C9-C28	3.119	17.184	17783283	128.808	1200	ug/ml