

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:	MH-744-EPH	SDG No.:	P5216
Lab Sample ID:	P5216-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
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
12/10/24 09:15	12/10/24 15:36	PB165523

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.43		1	2.12	2.36	mg/kg	FE051610.D
Aliphatic C9-C28	Aliphatic C9-C28	2.56	J	1	2.03	4.72	mg/kg	FE051610.D
Total AliphaticEPH	Total AliphaticEPH	12.0			4.15	7.08	mg/kg	
Total EPH	Total EPH	12.0			4.15	7.08	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

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:	MH-744-EPH	SDG No.:	P5216
Lab Sample ID:	P5216-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051610.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	2.56	J	2.03	4.72	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.43		2.12	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	47.6		40 - 140	95%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.2		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5216-10	Acq On:	10 Dec 2024 15:36
Client Sample ID:	MH-744-EPH	Operator:	YP\AJ
Data file:	FE051610.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.735	241851	1.71	300	ug/ml
Aliphatic C12-C16	6.736	10.168	811188	5.764	200	ug/ml
Aliphatic C16-C21	10.169	13.527	1617426	11.628	300	ug/ml
Aliphatic C21-C28	13.528	17.184	1973150	15.085	400	ug/ml
Aliphatic C28-C40	17.185	22.021	12833632	119.829	600	ug/ml
Aliphatic EPH	3.119	22.021	17477247	154.015		ug/ml
ortho-Terphenyl (SURR)	11.829	11.829	6527272	43.19		ug/ml
1-chlorooctadecane (SURR)	13.262	13.262	5323475	47.64		ug/ml
Aliphatic C9-C28	3.119	17.184	4643615	34.187	1200	ug/ml