

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	SDG No.:	P5216
Lab Sample ID:	P5216-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.9
Sample Wt/Vol:	30.01 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 15:25	PB165523

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.62		1	2.20	2.44	mg/kg	FC067975.D
Aliphatic C9-C28	Aliphatic C9-C28	4.88	U	1	2.10	4.88	mg/kg	FC067975.D
Total AliphaticEPH	Total AliphaticEPH	6.62	J		4.30	7.32	mg/kg	
Total EPH	Total EPH	6.62	J		4.30	7.32	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	SDG No.:	P5216
Lab Sample ID:	P5216-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.9
Sample Wt/Vol:	30.01 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
FC067975.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	0.000	U	2.10	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.62		2.20	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.9		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5216-09	Acq On:	10 Dec 2024 15:25
Client Sample ID:	MH-744	Operator:	YP/AJ
Data file:	FC067975.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.429	508915	3.215	300	ug/ml
Aliphatic C12-C16	6.430	9.820	1018759	6.356	200	ug/ml
Aliphatic C16-C21	9.821	13.178	646540	4.243	300	ug/ml
Aliphatic C21-C28	13.179	16.833	1106402	8.112	400	ug/ml
Aliphatic C28-C40	16.834	21.668	8618828	81.337	600	ug/ml
Aliphatic EPH	3.152	21.668	11899444	103.264		ug/ml
ortho-Terphenyl (SURR)	11.470	11.470	4473518	25.87		ug/ml
1-chlorooctadecane (SURR)	12.910	12.910	3539061	27.74		ug/ml
Aliphatic C9-C28	3.152	16.833	3280616	21.926	1200	ug/ml