

Report of Analysis

Client:	PSEG	Date Collected:	11/15/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/15/24
Client Sample ID:	MH-739-EPH	SDG No.:	P4887
Lab Sample ID:	P4887-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.3
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
11/16/24 10:10	11/18/24 20:22	PB165034

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1	1.99	2.21	mg/kg	FE051321.D
Aliphatic C9-C28	Aliphatic C9-C28	4.84		1	1.91	4.44	mg/kg	FE051321.D
Total AliphaticEPH	Total AliphaticEPH	18.7			3.90	6.65	mg/kg	
Total EPH	Total EPH	18.7			3.90	6.65	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
FE051321.D	1	11/16/24	11/18/24	PB165034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.84		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1.99	2.21	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.5		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	49.0		40 - 140	98%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4887-03	Acq On:	18 Nov 2024 20:22
Client Sample ID:	MH-739-EPH	Operator:	YP\AJ
Data file:	FE051321.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.139	6.758	3141248	22.451	300	ug/ml
Aliphatic C12-C16	6.759	10.191	806694	5.736	200	ug/ml
Aliphatic C16-C21	10.192	13.551	1680296	12.197	300	ug/ml
Aliphatic C21-C28	13.552	17.208	3383885	25.262	400	ug/ml
Aliphatic C28-C40	17.209	22.059	24256302	188.401	600	ug/ml
Aliphatic EPH	3.139	22.059	33268425	254.047		ug/ml
ortho-Terphenyl (SURR)	11.851	11.851	7349873	48.97		ug/ml
1-chlorooctadecane (SURR)	13.284	13.284	5621563	49.52		ug/ml
Aliphatic C9-C28	3.139	17.208	9012123	65.646	1200	ug/ml