

Report of Analysis

Client:	PSEG	Date Collected:	11/23/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/25/24
Client Sample ID:	MH-756-EPH	SDG No.:	P4985
Lab Sample ID:	P4985-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88
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
11/25/24 11:40	11/25/24 21:18	PB165243

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	20.8		1	2.04	2.27	mg/kg	FE051446.D
Aliphatic C9-C28	Aliphatic C9-C28	2.98	J	1	1.95	4.55	mg/kg	FE051446.D
Total AliphaticEPH	Total AliphaticEPH	23.8			3.99	6.82	mg/kg	
Total EPH	Total EPH	23.8			3.99	6.82	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051446.D	1	11/25/24	11/25/24	PB165243

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.98	J	1.95	4.55	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.8		2.04	2.27	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.9		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.4		40 - 140	91%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4985-02	Acq On:	25 Nov 2024 21:18
Client Sample ID:	MH-756-EPH	Operator:	YP\AJ
Data file:	FE051446.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.129	6.744	832934	5.953	300	ug/ml
Aliphatic C12-C16	6.745	10.176	821620	5.842	200	ug/ml
Aliphatic C16-C21	10.177	13.535	1578307	11.456	300	ug/ml
Aliphatic C21-C28	13.536	17.190	2154063	16.081	400	ug/ml
Aliphatic C28-C40	17.191	22.028	35423344	275.136	600	ug/ml
Aliphatic EPH	3.129	22.028	40810268	314.469		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	6819874	45.44		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	5666837	49.91		ug/ml
Aliphatic C9-C28	3.129	17.190	5386924	39.332	1200	ug/ml