

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/15/24
Client Sample ID:	MH-736	SDG No.:	P4870
Lab Sample ID:	P4870-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/15/24 09:30	11/16/24 3:54	PB164994

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.28		1	2.03	2.25	mg/kg	FE051285.D
Aliphatic C9-C28	Aliphatic C9-C28	3.65	J	1	1.94	4.51	mg/kg	FE051285.D
Total AliphaticEPH	Total AliphaticEPH	8.93			3.97	6.76	mg/kg	
Total EPH	Total EPH	8.93			3.97	6.76	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
FE051285.D	1	11/15/24	11/16/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.65	J	1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.28		2.03	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.2		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	44.6		40 - 140	89%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4870-07	Acq On:	16 Nov 2024 03:54
Client Sample ID:	MH-736	Operator:	YP\AJ
Data file:	FE051285.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.134	6.753	2100169	15.01	300	ug/ml
Aliphatic C12-C16	6.754	10.185	1349478	9.596	200	ug/ml
Aliphatic C16-C21	10.186	13.544	1539158	11.172	300	ug/ml
Aliphatic C21-C28	13.545	17.200	1725924	12.885	400	ug/ml
Aliphatic C28-C40	17.201	22.043	9064676	70.406	600	ug/ml
Aliphatic EPH	3.134	22.043	15779405	119.069		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	6694211	44.6		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	5134988	45.23		ug/ml
Aliphatic C9-C28	3.134	17.200	6714729	48.663	1200	ug/ml