

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:	TP-1	SDG No.:	P4870
Lab Sample ID:	P4870-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.01	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 1:53	PB164994

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	13.9		1	2.02	2.24	mg/kg	FE051281.D
Aliphatic C9-C28	Aliphatic C9-C28	3.16	J	1	1.93	4.48	mg/kg	FE051281.D
Total AliphaticEPH	Total AliphaticEPH	17.1			3.95	6.72	mg/kg	
Total EPH	Total EPH	17.1			3.95	6.72	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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Analytical Method:	NJEPH	% Solid:	89.3
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
FE051281.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	3.16	J	1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	13.9		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.5		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4870-01	Acq On:	16 Nov 2024 01:53
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE051281.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.134	6.753	1734026	12.393	300	ug/ml
Aliphatic C12-C16	6.754	10.185	1127191	8.015	200	ug/ml
Aliphatic C16-C21	10.186	13.544	1319163	9.575	300	ug/ml
Aliphatic C21-C28	13.545	17.200	1650704	12.323	400	ug/ml
Aliphatic C28-C40	17.201	22.043	23957381	186.079	600	ug/ml
Aliphatic EPH	3.134	22.043	29788465	228.386		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	5482363	36.53		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	4075136	35.89		ug/ml
Aliphatic C9-C28	3.134	17.200	5831084	42.306	1200	ug/ml