

Report of Analysis

Client:	PSEG	Date Collected:	10/26/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/28/24
Client Sample ID:	TP-4	SDG No.:	P4594
Lab Sample ID:	P4594-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/29/24 09:50	10/29/24 18:51	PB164498

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.73		1	2.02	2.24	mg/kg	FE050889.D
Aliphatic C9-C28	Aliphatic C9-C28	3.47	J	1	1.93	4.48	mg/kg	FE050889.D
Total AliphaticEPH	Total AliphaticEPH	11.2			3.95	6.72	mg/kg	
Total EPH	Total EPH	11.2			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:	89.2
Sample Wt/Vol:	30.04 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
FE050889.D	1	10/29/24	10/29/24	PB164498

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.47	J	1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.73		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.4		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.6		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4594-01	Acq On:	29 Oct 2024 18:51
Client Sample ID:	TP-4	Operator:	YP\AJ
Data file:	FE050889.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.149	6.766	1560281	10.919	300	ug/ml
Aliphatic C12-C16	6.767	10.199	1215628	8.377	200	ug/ml
Aliphatic C16-C21	10.200	13.559	1782516	12.344	300	ug/ml
Aliphatic C21-C28	13.560	17.216	2121122	14.921	400	ug/ml
Aliphatic C28-C40	17.217	22.071	14326246	103.586	600	ug/ml
Aliphatic EPH	3.149	22.071	21005793	150.147		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4512408	28.62		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	3718531	31.43		ug/ml
Aliphatic C9-C28	3.149	17.216	6679547	46.561	1200	ug/ml