

Report of Analysis

Client:	PSEG	Date Collected:	11/09/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/09/24
Client Sample ID:	BF-F13	SDG No.:	P4807
Lab Sample ID:	P4807-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/12/24 10:40	11/12/24 16:14	PB164909

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.51		1	2.02	2.24	mg/kg	FE051175.D
Aliphatic C9-C28	Aliphatic C9-C28	4.48	U	1	1.93	4.48	mg/kg	FE051175.D
Total AliphaticEPH	Total AliphaticEPH	6.72	U		3.95	6.72	mg/kg	
Total EPH	Total EPH	6.72	U		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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051175.D	1	11/12/24	11/12/24	PB164909

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.51		2.02	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.2		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.5		40 - 140	69%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4807-09	Acq On:	12 Nov 2024 16:14
Client Sample ID:	BF-F13	Operator:	YP\AJ
Data file:	FE051175.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.137	6.756	0	0	300	ug/ml
Aliphatic C12-C16	6.757	10.189	488691	3.475	200	ug/ml
Aliphatic C16-C21	10.190	13.549	402441	2.921	300	ug/ml
Aliphatic C21-C28	13.550	17.205	0	0	400	ug/ml
Aliphatic C28-C40	17.206	22.052	4328514	33.62	600	ug/ml
Aliphatic EPH	3.137	22.052	5219646	40.016		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	5181260	34.52		ug/ml
1-chlorooctadecane (SURR)	13.282	13.282	4000849	35.24		ug/ml
Aliphatic C9-C28	3.137	17.205	891132	6.396	1200	ug/ml