

Report of Analysis

Client:	PSEG	Date Collected:	10/23/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/23/24
Client Sample ID:	BP-F22-EPH	SDG No.:	P4508
Lab Sample ID:	P4508-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/24/24 10:10	10/24/24 20:16	PB164367

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.44		1	1.99	2.22	mg/kg	FE050825.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44	U	1	1.91	4.44	mg/kg	FE050825.D
Total AliphaticEPH	Total AliphaticEPH	4.44	J		3.90	6.66	mg/kg	
Total EPH	Total EPH	4.44	J		3.90	6.66	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
FE050825.D	1	10/24/24	10/24/24	PB164367

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.44		1.99	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.5		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.2		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4508-10	Acq On:	24 Oct 2024 20:16
Client Sample ID:	BP-F22-EPH	Operator:	YP\AJ
Data file:	FE050825.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.766	1061791	7.43	300	ug/ml
Aliphatic C12-C16	6.767	10.198	1163889	8.02	200	ug/ml
Aliphatic C16-C21	10.199	13.559	745078	5.16	300	ug/ml
Aliphatic C21-C28	13.560	17.216	1177823	8.285	400	ug/ml
Aliphatic C28-C40	17.217	22.066	8316989	60.136	600	ug/ml
Aliphatic EPH	3.147	22.066	12465570	89.032		ug/ml
ortho-Terphenyl (SURR)	11.857	11.857	3971853	25.19		ug/ml
1-chlorooctadecane (SURR)	13.290	13.290	3250422	27.48		ug/ml
Aliphatic C9-C28	3.147	17.216	4148581	28.895	1200	ug/ml