

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-F23	SDG No.:	P4508
Lab Sample ID:	P4508-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.1 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 18:46	PB164367

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.34		1	1.96	2.18	mg/kg	FE050822.D
Aliphatic C9-C28	Aliphatic C9-C28	4.36	U	1	1.87	4.36	mg/kg	FE050822.D
Total AliphaticEPH	Total AliphaticEPH	5.34	J		3.83	6.54	mg/kg	
Total EPH	Total EPH	5.34	J		3.83	6.54	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
FE050822.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	1.87	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	5.34		1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.6		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.9		40 - 140	58%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4508-05	Acq On:	24 Oct 2024 18:46
Client Sample ID:	BP-F23	Operator:	YP\AJ
Data file:	FE050822.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.766	828358	5.797	300	ug/ml
Aliphatic C12-C16	6.767	10.198	1158101	7.98	200	ug/ml
Aliphatic C16-C21	10.199	13.559	806577	5.586	300	ug/ml
Aliphatic C21-C28	13.560	17.216	1357386	9.549	400	ug/ml
Aliphatic C28-C40	17.217	22.066	10177704	73.59	600	ug/ml
Aliphatic EPH	3.147	22.066	14328126	102.501		ug/ml
ortho-Terphenyl (SURR)	11.858	11.858	4555942	28.9		ug/ml
1-chlorooctadecane (SURR)	13.292	13.292	3617148	30.58		ug/ml
Aliphatic C9-C28	3.147	17.216	4150422	28.912	1200	ug/ml