

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:	TP-6-EPH	SDG No.:	P4807
Lab Sample ID:	P4807-14	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/12/24 10:40	11/12/24 17:46	PB164909

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.25	U	1	2.02	2.25	mg/kg	FG014751.D
Aliphatic C9-C28	Aliphatic C9-C28	4.49	U	1	1.93	4.49	mg/kg	FG014751.D
Total AliphaticEPH	Total AliphaticEPH	6.74	U		3.95	6.74	mg/kg	
Total EPH	Total EPH	6.74	U		3.95	6.74	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
FG014751.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	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.25	U	2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.9		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.0		40 - 140	90%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4807-14	Acq On:	12 Nov 2024 17:46
Client Sample ID:	TP-6-EPH	Operator:	YP\AJ
Data file:	FG014751.D	Misc:	
Instrument:	FID_G	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.843	188584	1.436	300	ug/ml
Aliphatic C12-C16	6.844	10.287	1152953	8.489	200	ug/ml
Aliphatic C16-C21	10.288	13.658	1242682	8.798	300	ug/ml
Aliphatic C21-C28	13.659	17.324	1080126	7.683	400	ug/ml
Aliphatic C28-C40	17.325	22.256	360286	3.409	600	ug/ml
Aliphatic EPH	3.223	22.256	4024631	29.815		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	6899869	45.02		ug/ml
1-chlorooctadecane (SURR)	13.390	13.390	5394107	43.93		ug/ml
Aliphatic C9-C28	3.223	17.324	3664345	26.406	1200	ug/ml