

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	SDG No.:	P4807
Lab Sample ID:	P4807-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/12/24 10:40	11/12/24 17:18	PB164909

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.22	U	1	2.00	2.22	mg/kg	FG014750.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44	U	1	1.91	4.44	mg/kg	FG014750.D
Total AliphaticEPH	Total AliphaticEPH	6.66	U		3.91	6.66	mg/kg	
Total EPH	Total EPH	6.66	U		3.91	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
FG014750.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	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.22	U	2.00	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.6		40 - 140	57%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	29.1		40 - 140	58%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4807-13	Acq On:	12 Nov 2024 17:18
Client Sample ID:	TP-6	Operator:	YP\AJ
Data file:	FG014750.D	Misc:	
Instrument:	FID_G	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.843	222669	1.695	300	ug/ml
Aliphatic C12-C16	6.844	10.287	342549	2.522	200	ug/ml
Aliphatic C16-C21	10.288	13.658	435891	3.086	300	ug/ml
Aliphatic C21-C28	13.659	17.324	397651	2.829	400	ug/ml
Aliphatic C28-C40	17.325	22.256	321162	3.039	600	ug/ml
Aliphatic EPH	3.223	22.256	1719922	13.171		ug/ml
ortho-Terphenyl (SURR)	11.950	11.950	4453141	29.05		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	3507803	28.57		ug/ml
Aliphatic C9-C28	3.223	17.324	1398760	10.132	1200	ug/ml