

Report of Analysis

Client:	PSEG	Date Collected:	11/13/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/13/24
Client Sample ID:	TP-2	SDG No.:	P4833
Lab Sample ID:	P4833-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Final Vol:	2000
		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/14/24 09:40	11/15/24 2:41	PB164966

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	25.0		1	1.91	2.12	mg/kg FC067764.D
Aliphatic C9-C28	Aliphatic C9-C28	10.7		1	1.82	4.24	mg/kg FC067764.D
Total AliphaticEPH	Total AliphaticEPH	35.7			3.73	6.36	mg/kg
Total EPH	Total EPH	35.7			3.73	6.36	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC067764.D	1	11/14/24	11/15/24	PB164966

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	10.7		1.82	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.0		1.91	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4833-05	Acq On:	15 Nov 2024 02:41
Client Sample ID:	TP-2	Operator:	YP/AJ
Data file:	FC067764.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	1009309	6.088	300	ug/ml
Aliphatic C12-C16	6.449	9.838	1632766	9.583	200	ug/ml
Aliphatic C16-C21	9.839	13.195	1894698	11.17	300	ug/ml
Aliphatic C21-C28	13.196	16.848	19644513	124.901	400	ug/ml
Aliphatic C28-C40	16.849	21.688	42890772	354.143	600	ug/ml
Aliphatic EPH	3.172	21.688	67072058	505.886		ug/ml
ortho-Terphenyl (SURR)	11.490	11.490	5477402	28.25		ug/ml
1-chlorooctadecane (SURR)	12.928	12.928	4027028	27.74		ug/ml
Aliphatic C9-C28	3.172	16.848	24181286	151.742	1200	ug/ml