

Report of Analysis

Client:	PSEG	Date Collected:	12/06/24
Project:	Bergen Point Substation	Date Received:	12/06/24
Client Sample ID:	ROLL-OFF-COMP	SDG No.:	P5174
Lab Sample ID:	P5174-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/09/24 09:15	12/09/24 15:41	PB165478

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.6		1	2.19	2.44	mg/kg FC067949.D
Aliphatic C9-C28	Aliphatic C9-C28	89.7		1	2.10	4.88	mg/kg FC067949.D
Total AliphaticEPH	Total AliphaticEPH	116			4.29	7.32	mg/kg
Total EPH	Total EPH	116			4.29	7.32	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
FC067949.D	1	12/09/24	12/09/24	PB165478

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	89.7		2.10	4.88	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.6		2.19	2.44	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.7		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.1		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5174-01	Acq On:	09 Dec 2024 15:41
Client Sample ID:	ROLL-OFF-COMP	Operator:	YP/AJ
Data file:	FC067949.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.430	14677173	88.528	300	ug/ml
Aliphatic C12-C16	6.431	9.821	73970745	434.14	200	ug/ml
Aliphatic C16-C21	9.822	13.180	56389892	332.445	300	ug/ml
Aliphatic C21-C28	13.181	16.834	39163212	249.003	400	ug/ml
Aliphatic C28-C40	16.835	21.670	39678322	327.619	600	ug/ml
Aliphatic EPH	3.152	21.670	223879344	1430		ug/ml
ortho-Terphenyl (SURR)	11.475	11.475	7977058	41.15		ug/ml
1-chlorooctadecane (SURR)	12.914	12.914	5762390	39.7		ug/ml
Aliphatic C9-C28	3.152	16.834	184201022	1100	1200	ug/ml