

Report of Analysis

Client:	PSEG	Date Collected:	10/29/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/29/24
Client Sample ID:	BP-F9-MOVED	SDG No.:	P4616
Lab Sample ID:	P4616-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/31/24 07:55	10/31/24 13:54	PB164554

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.49		1	2.03	2.26	mg/kg	FC067595.D
Aliphatic C9-C28	Aliphatic C9-C28	4.05	J	1	1.94	4.52	mg/kg	FC067595.D
Total AliphaticEPH	Total AliphaticEPH	7.54			3.97	6.78	mg/kg	
Total EPH	Total EPH	7.54			3.97	6.78	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
FC067595.D	1	10/31/24	10/31/24	PB164554

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	4.05	J	1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.49		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.5		40 - 140	89%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.5		40 - 140	83%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4616-05	Acq On:	31 Oct 2024 13:54
Client Sample ID:	BP-F9-MOVED	Operator:	YP/AJ
Data file:	FC067595.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	3.173	6.452	670323	4.948	300	ug/ml
Aliphatic C12-C16	6.453	9.842	1862079	14.141	200	ug/ml
Aliphatic C16-C21	9.843	13.199	1947538	15.307	300	ug/ml
Aliphatic C21-C28	13.200	16.852	2913399	24.26	400	ug/ml
Aliphatic C28-C40	16.853	21693	4682320	46.317	600	ug/ml
Aliphatic EPH	3.173	21693.000	12075659	104.972		ug/ml
ortho-Terphenyl (SURR)	11.495	11.495	6086989	41.48		ug/ml
1-chlorooctadecane (SURR)	12.933	12.933	4810948	44.55		ug/ml
Aliphatic C9-C28	3.173	16.852	7393339	58.656	1200	ug/ml