

Report of Analysis

Client:	PSEG	Date Collected:	11/02/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/02/24
Client Sample ID:	BP-G5-WC	SDG No.:	P4693
Lab Sample ID:	P4693-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/05/24 09:56	11/06/24 9:19	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	54.8		2	4.18	4.65	mg/kg	FE051061.D
Aliphatic C9-C28	Aliphatic C9-C28	22.0		1	2.00	4.64	mg/kg	FE051032.D
Total AliphaticEPH	Total AliphaticEPH	76.8			6.18	9.29	mg/kg	
Total EPH	Total EPH	76.8			6.18	9.29	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
FE051032.D	1	11/05/24	11/05/24	PB164681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	22.0		2.00	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	59.8	E	2.09	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.4		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.6		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4693-01	Acq On:	05 Nov 2024 18:27
Client Sample ID:	BP-G5-WC	Operator:	YP\AJ
Data file:	FE051032.D	Misc:	
Instrument:	FID_E	ALS Vial:	9
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	740112	5.179	300	ug/ml
Aliphatic C12-C16	6.761	10.191	2528105	17.421	200	ug/ml
Aliphatic C16-C21	10.192	13.549	21562871	149.326	300	ug/ml
Aliphatic C21-C28	13.550	17.205	16657799	117.181	400	ug/ml
Aliphatic C28-C40	17.206	22.048	106777017	772.05	600	ug/ml
Aliphatic EPH	3.140	22.048	148265904	1060		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	5927189	37.6		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	4902254	41.44		ug/ml
Aliphatic C9-C28	3.140	17.205	41488887	289.107	1200	ug/ml