

Report of Analysis

Client:	PSEG	Date Collected:	11/06/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/06/24
Client Sample ID:	TP-11	SDG No.:	P4739
Lab Sample ID:	P4739-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/08/24 15:08	PB164751

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	87.0		5	9.77	10.9	mg/kg FE051120.D
Aliphatic C9-C28	Aliphatic C9-C28	12.0		1	1.87	4.35	mg/kg FE051100.D
Total AliphaticEPH	Total AliphaticEPH	99.0			11.6	15.3	mg/kg
Total EPH	Total EPH	99.0			11.6	15.3	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

Report of Analysis

Client:	PSEG	Date Collected:	11/06/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/06/24
Client Sample ID:	TP-11	SDG No.:	P4739
Lab Sample ID:	P4739-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.9
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051100.D	1	11/07/24	11/07/24	PB164751

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.0		1.87	4.35	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	80.5	E	1.95	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	53.3		40 - 140	107%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	51.6		40 - 140	103%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4739-13	Acq On:	07 Nov 2024 23:11
Client Sample ID:	TP-11	Operator:	YP\AJ
Data file:	FE051100.D	Misc:	
Instrument:	FID_E	ALS Vial:	25
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	2366763	16.916	300	ug/ml
Aliphatic C12-C16	6.758	10.189	2106565	14.979	200	ug/ml
Aliphatic C16-C21	10.190	13.548	4140421	30.054	300	ug/ml
Aliphatic C21-C28	13.549	17.202	13967673	104.274	400	ug/ml
Aliphatic C28-C40	17.203	22.047	143135957	1110	600	ug/ml
Aliphatic EPH	3.140	22.047	165717379	1280		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	7749953	51.63		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	6052472	53.31		ug/ml
Aliphatic C9-C28	3.140	17.202	22581422	166.223	1200	ug/ml