

Report of Analysis

Client:	PSEG	Date Collected:	11/07/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/07/24
Client Sample ID:	BP-B4	SDG No.:	P4756
Lab Sample ID:	P4756-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
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
11/10/24 08:35	11/11/24 14:08	PB164844

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	3.06		1	2.02	2.25	mg/kg FG014731.D
Aliphatic C9-C28	Aliphatic C9-C28	5.93		1	1.93	4.49	mg/kg FG014731.D
Total AliphaticEPH	Total AliphaticEPH	8.99			3.95	6.74	mg/kg
Total EPH	Total EPH	8.99			3.95	6.74	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:	11/07/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/07/24
Client Sample ID:	BP-B4	SDG No.:	P4756
Lab Sample ID:	P4756-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
Sample Wt/Vol:	30.04 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
FG014731.D	1	11/10/24	11/11/24	PB164844

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.93		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.06		2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	41.0		40 - 140	82%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4756-01	Acq On:	11 Nov 2024 14:08
Client Sample ID:	BP-B4	Operator:	YP\AJ
Data file:	FG014731.D	Misc:	
Instrument:	FID_G	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.223	22.254	16626017	130.493		ug/ml
ortho-Terphenyl (SURRE)	11.952	11.952	6278933	40.97		ug/ml
1-chlorooctadecane (SURRE)	13.392	13.392	4829248	39.33		ug/ml
Aliphatic C9-C12	3.223	6.843	4227295	32.186	300	ug/ml
Aliphatic C12-C16	6.844	10.286	749502	5.518	200	ug/ml
Aliphatic C16-C21	10.287	13.658	5850027	41.416	300	ug/ml
Aliphatic C21-C28	13.659	17.322	1489565	10.596	400	ug/ml
Aliphatic C28-C40	17.323	22.254	4309628	40.777	600	ug/ml
Aliphatic C9-C28	3.223	17.322	12316389	89.716	1200	ug/ml