

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-F10	SDG No.:	P4616
Lab Sample ID:	P4616-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
10/31/24 07:55	10/31/24 20:51	PB164554

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1	1.96	2.18	mg/kg FF014885.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44		1	1.88	4.36	mg/kg FF014885.D
Total AliphaticEPH	Total AliphaticEPH	7.21			3.84	6.54	mg/kg
Total EPH	Total EPH	7.21			3.84	6.54	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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Lab Sample ID:	P4616-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.08 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
FF014885.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	4.44		1.88	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	2.77		1.96	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.2		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	42.3		40 - 140	85%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4616-01	Acq On:	31 Oct 2024 20:51
Client Sample ID:	BP-F10	Operator:	YP\AJ
Data file:	FF014885.D	Misc:	
Instrument:	FID_F	ALS Vial:	73
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.224	6.833	872171	6.839	300	ug/ml
Aliphatic C12-C16	6.834	10.264	678852	5.148	200	ug/ml
Aliphatic C16-C21	10.265	13.627	6747331	49.033	300	ug/ml
Aliphatic C21-C28	13.628	17.287	1587813	11.451	400	ug/ml
Aliphatic C28-C40	17.288	22.176	4297932	38.069	600	ug/ml
Aliphatic EPH	3.224	22.176	14184099	110.54		ug/ml
ortho-Terphenyl (SURR)	11.927	11.927	6456042	42.34		ug/ml
1-chlorooctadecane (SURR)	13.363	13.363	5312718	44.22		ug/ml
Aliphatic C9-C28	3.224	17.287	9886167	72.471	1200	ug/ml