

Report of Analysis

Client:	PSEG	Date Collected:	12/07/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	12/09/24
Client Sample ID:	BP-G-6	SDG No.:	P5216
Lab Sample ID:	P5216-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
12/10/24 09:15	12/10/24 13:36	PB165523

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.7		1	2.00	2.22	mg/kg	FE051606.D
Aliphatic C9-C28	Aliphatic C9-C28	4.44	U	1	1.91	4.44	mg/kg	FE051606.D
Total AliphaticEPH	Total AliphaticEPH	10.7			3.91	6.66	mg/kg	
Total EPH	Total EPH	10.7			3.91	6.66	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051606.D	1	12/10/24	12/10/24	PB165523

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.000	U	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.7		2.00	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.2		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5216-01	Acq On:	10 Dec 2024 13:36
Client Sample ID:	BP-G-6	Operator:	YP\AJ
Data file:	FE051606.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.735	193393	1.367	300	ug/ml
Aliphatic C12-C16	6.736	10.168	1661180	11.803	200	ug/ml
Aliphatic C16-C21	10.169	13.527	903592	6.496	300	ug/ml
Aliphatic C21-C28	13.528	17.184	1208220	9.237	400	ug/ml
Aliphatic C28-C40	17.185	22.021	15516289	144.877	600	ug/ml
Aliphatic EPH	3.119	22.021	19482674	173.781		ug/ml
ortho-Terphenyl (SURR)	11.828	11.828	4209407	27.86		ug/ml
1-chlorooctadecane (SURR)	13.262	13.262	3485006	31.19		ug/ml
Aliphatic C9-C28	3.119	17.184	3966385	28.903	1200	ug/ml