284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

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:	BP-B2-EPH	SDG No.:	P4739
Lab Sample ID:	P4739-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/07/24 09:50	11/07/24 22:41	PB164751

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.0		1	2.08	2.31	mg/kg	FE051099.D
Aliphatic C9-C28	Aliphatic C9-C28	186		5	9.92	23.1	mg/kg	FE051119.D
Total AliphaticEPH	Total AliphaticEPH	211			12.0	25.4	mg/kg	
Total EPH	Total EPH	211			12.0	25.4	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
FE051099.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		188	E	1.98	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		25.0		2.08	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		50.5		40 - 140	101%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		49.1		40 - 140	98%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4739-10	Acq On:	07 Nov 2024 22:41
Client Sample ID:	BP-B2-EPH	Operator:	YP\AJ
Data file:	FE051099.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.757	270027187	1930	300	ug/ml
Aliphatic C12-C16	6.758	10.189	50981947	362.511	200	ug/ml
Aliphatic C16-C21	10.190	13.548	15165276	110.078	300	ug/ml
Aliphatic C21-C28	13.549	17.202	6214739	46.395	400	ug/ml
Aliphatic C28-C40	17.203	22.047	41889461	325.359	600	ug/ml
Aliphatic EPH	3.140	22.047	384278610	2770		ug/ml
ortho-Terphenyl (SURR)	11.855	11.855	7374773	49.13		ug/ml
1-chlorooctadecane (SURR)	13.288	13.288	5735635	50.52		ug/ml
Aliphatic C9-C28	3.140	17.202	342389149	2450	1200	ug/ml