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

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/15/24
Client Sample ID:	TP-15	SDG No.:	P4870
Lab Sample ID:	P4870-10	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.9
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/15/24 09:30	11/16/24 4:54	PB164994

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	7.35		1	2.07	2.30	mg/kg	FE051287.D
Aliphatic C9-C28	Aliphatic C9-C28	3.27	J	1	1.98	4.60	mg/kg	FE051287.D
Total AliphaticEPH	Total AliphaticEPH	10.6			4.05	6.90	mg/kg	
Total EPH	Total EPH	10.6			4.05	6.90	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
FE051287.D	1	11/15/24	11/16/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.27	J	1.98	4.60	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	7.35		2.07	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.7		40 - 140	91%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.1		40 - 140	92%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4870-10	Acq On:	16 Nov 2024 04:54
Client Sample ID:	TP-15	Operator:	YP\AJ
Data file:	FE051287.D	Misc:	
Instrument:	FID_E	ALS Vial:	29
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.134	6.753	1409523	10.074	300	ug/ml
Aliphatic C12-C16	6.754	10.185	1176427	8.365	200	ug/ml
Aliphatic C16-C21	10.186	13.544	1426540	10.355	300	ug/ml
Aliphatic C21-C28	13.545	17.200	1850965	13.818	400	ug/ml
Aliphatic C28-C40	17.201	22.043	12344862	95.884	600	ug/ml
Aliphatic EPH	3.134	22.043	18208317	138.496		ug/ml
ortho-Terphenyl (SURR)	11.848	11.848	6922307	46.12		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	5187079	45.69		ug/ml
Aliphatic C9-C28	3.134	17.200	5863455	42.612	1200	ug/ml