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:	MH-736-EPH	SDG No.:	P4870
Lab Sample ID:	P4870-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.05 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 4:24	PB164994

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.34		1	1.99	2.22	mg/kg	FE051286.D
Aliphatic C9-C28	Aliphatic C9-C28	2.11	J	1	1.91	4.44	mg/kg	FE051286.D
Total AliphaticEPH	Total AliphaticEPH	6.45	J		3.90	6.66	mg/kg	
Total EPH	Total EPH	6.45	J		3.90	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051286.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		2.11	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.34		1.99	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		35.2		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		35.5		40 - 140	71%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4870-08	Acq On:	16 Nov 2024 04:24
Client Sample ID:	MH-736-EPH	Operator:	YP\AJ
Data file:	FE051286.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.134	6.753	1793617	12.819	300	ug/ml
Aliphatic C12-C16	6.754	10.185	1107404	7.874	200	ug/ml
Aliphatic C16-C21	10.186	13.544	1084203	7.87	300	ug/ml
Aliphatic C21-C28	13.545	17.200	1187862	8.868	400	ug/ml
Aliphatic C28-C40	17.201	22.043	7563971	58.75	600	ug/ml
Aliphatic EPH	3.134	22.043	12737057	96.181		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	5325106	35.48		ug/ml
1-chlorooctadecane (SURR)	13.279	13.279	3992968	35.17		ug/ml
Aliphatic C9-C28	3.134	17.200	5173086	37.431	1200	ug/ml