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

Report of Analysis

Client:	PSEG	Date Collected:	11/25/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/25/24
Client Sample ID:	MH-745-EPH	SDG No.:	P5000
Lab Sample ID:	P5000-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/26/24 08:55	11/26/24 16:47	PB165256

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	2.37	U	1	2.13	2.37	mg/kg	FE051470.D
Aliphatic C9-C28	Aliphatic C9-C28	2.76	J	1	2.04	4.73	mg/kg	FE051470.D
Total AliphaticEPH	Total AliphaticEPH	7.10	U		4.17	7.10	mg/kg	
Total EPH	Total EPH	7.10	U		4.17	7.10	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
FE051470.D	1	11/26/24	11/26/24	PB165256

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.76	J	2.04	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		2.37	U	2.13	2.37	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		51.8		40 - 140	104%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		47.5		40 - 140	95%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5000-02	Acq On:	26 Nov 2024 16:47
Client Sample ID:	MH-745-EPH	Operator:	YP\AJ
Data file:	FE051470.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.126	6.741	0	0	300	ug/ml
Aliphatic C12-C16	6.742	10.174	1508665	10.727	200	ug/ml
Aliphatic C16-C21	10.175	13.534	1677304	12.175	300	ug/ml
Aliphatic C21-C28	13.535	17.190	1616693	12.069	400	ug/ml
Aliphatic C28-C40	17.191	22.028	3095831	24.046	600	ug/ml
Aliphatic EPH	3.126	22.028	7898493	59.017		ug/ml
ortho-Terphenyl (SURR)	11.836	11.836	7122127	47.45		ug/ml
1-chlorooctadecane (SURR)	13.269	13.269	5880483	51.8		ug/ml
Aliphatic C9-C28	3.126	17.190	4802662	34.971	1200	ug/ml