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

Report of Analysis

Client:	PSEG	Date Collected:	11/15/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/15/24
Client Sample ID:	MH-760	SDG No.:	P4887
Lab Sample ID:	P4887-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.2
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
11/16/24 10:10	11/18/24 20:53	PB165034

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	10.4		1	2.04	2.26	mg/kg	FE051322.D
Aliphatic C9-C28	Aliphatic C9-C28	5.92		1	1.95	4.52	mg/kg	FE051322.D
Total AliphaticEPH	Total AliphaticEPH	16.3			3.99	6.78	mg/kg	
Total EPH	Total EPH	16.3			3.99	6.78	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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Analytical Method:	NJEPH	% Solid:	88.2
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051322.D	1	11/16/24	11/18/24	PB165034

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.92		1.95	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10.4		2.04	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.4		40 - 140	57%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4887-05	Acq On:	18 Nov 2024 20:53
Client Sample ID:	MH-760	Operator:	YP\AJ
Data file:	FE051322.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.139	6.758	3143711	22.469	300	ug/ml
Aliphatic C12-C16	6.759	10.191	1015481	7.221	200	ug/ml
Aliphatic C16-C21	10.192	13.551	4722223	34.277	300	ug/ml
Aliphatic C21-C28	13.552	17.208	1949323	14.552	400	ug/ml
Aliphatic C28-C40	17.209	22.059	17733973	137.741	600	ug/ml
Aliphatic EPH	3.139	22.059	28564711	216.26		ug/ml
ortho-Terphenyl (SURR)	11.848	11.848	4261650	28.39		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3184916	28.05		ug/ml
Aliphatic C9-C28	3.139	17.208	10830738	78.519	1200	ug/ml