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-739	SDG No.:	P4887
Lab Sample ID:	P4887-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
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
11/16/24 10:10	11/18/24 16:22	PB165034

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1	1.97	2.19	mg/kg	FE051313.D
Aliphatic C9-C28	Aliphatic C9-C28	4.95		1	1.88	4.37	mg/kg	FE051313.D
Total AliphaticEPH	Total AliphaticEPH	32.5			3.85	6.56	mg/kg	
Total EPH	Total EPH	32.5			3.85	6.56	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
FE051313.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	4.95		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	27.5		1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.7		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.3		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4887-01	Acq On:	18 Nov 2024 16:22
Client Sample ID:	MH-739	Operator:	YP\AJ
Data file:	FE051313.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.139	6.758	2730364	19.514	300	ug/ml
Aliphatic C12-C16	6.759	10.191	1004492	7.143	200	ug/ml
Aliphatic C16-C21	10.192	13.551	3052661	22.158	300	ug/ml
Aliphatic C21-C28	13.552	17.208	2551973	19.051	400	ug/ml
Aliphatic C28-C40	17.209	22.059	48533763	376.966	600	ug/ml
Aliphatic EPH	3.139	22.059	57873253	444.832		ug/ml
ortho-Terphenyl (SURR)	11.852	11.852	6055450	40.34		ug/ml
1-chlorooctadecane (SURR)	13.285	13.285	4729957	41.66		ug/ml
Aliphatic C9-C28	3.139	17.208	9339490	67.866	1200	ug/ml