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

Report of Analysis

Client:	PSEG	Date Collected:	11/16/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/18/24
Client Sample ID:	MH-762-EPH	SDG No.:	P4893
Lab Sample ID:	P4893-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/19/24 09:45	11/19/24 15:37	PB165088

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.57		1	2.06	2.29	mg/kg	FE051349.D
Aliphatic C9-C28	Aliphatic C9-C28	4.59	U	1	1.97	4.59	mg/kg	FE051349.D
Total AliphaticEPH	Total AliphaticEPH	4.57	J		4.03	6.88	mg/kg	
Total EPH	Total EPH	4.57	J		4.03	6.88	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
FE051349.D	1	11/19/24	11/19/24	PB165088

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		0.000	U	1.97	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		4.57		2.06	2.29	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		25.9		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		26.9		40 - 140	54%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4893-06	Acq On:	19 Nov 2024 15:37
Client Sample ID:	MH-762-EPH	Operator:	YP\AJ
Data file:	FE051349.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.136	6.752	302112	2.159	300	ug/ml
Aliphatic C12-C16	6.753	10.184	854924	6.079	200	ug/ml
Aliphatic C16-C21	10.185	13.543	1181813	8.578	300	ug/ml
Aliphatic C21-C28	13.544	17.198	1317331	9.834	400	ug/ml
Aliphatic C28-C40	17.199	22.041	7708499	59.873	600	ug/ml
Aliphatic EPH	3.136	22.041	11364679	86.523		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	4036212	26.89		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	2944878	25.94		ug/ml
Aliphatic C9-C28	3.136	17.198	3656180	26.65	1200	ug/ml