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

Report of Analysis

Client:	PSEG	Date Collected:	10/31/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	10/31/24
Client Sample ID:	BP-F-7	SDG No.:	P4667
Lab Sample ID:	P4667-13	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/04/24 09:15	11/04/24 18:26	PB164640

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	5.42		1	2.02	2.25	mg/kg	FE051004.D
Aliphatic C9-C28	Aliphatic C9-C28	2.37	J	1	1.93	4.49	mg/kg	FE051004.D
Total AliphaticEPH	Total AliphaticEPH	7.79			3.95	6.74	mg/kg	
Total EPH	Total EPH	7.79			3.95	6.74	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
FE051004.D	1	11/04/24	11/04/24	PB164640

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		2.37	J	1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		5.42		2.02	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		41.2		40 - 140	82%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		36.0		40 - 140	72%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4667-13	Acq On:	04 Nov 2024 18:26
Client Sample ID:	BP-F-7	Operator:	YP\AJ
Data file:	FE051004.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.142	6.760	325503	2.278	300	ug/ml
Aliphatic C12-C16	6.761	10.192	1514007	10.433	200	ug/ml
Aliphatic C16-C21	10.193	13.552	1048344	7.26	300	ug/ml
Aliphatic C21-C28	13.553	17.206	1967523	13.841	400	ug/ml
Aliphatic C28-C40	17.207	22.051	10005462	72.344	600	ug/ml
Aliphatic EPH	3.142	22.051	14860839	106.156		ug/ml
ortho-Terphenyl (SURR)	11.854	11.854	5679705	36.03		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	4872651	41.19		ug/ml
Aliphatic C9-C28	3.142	17.206	4855377	33.812	1200	ug/ml