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

Report of Analysis

Client:	PSEG	Date Collected:	11/14/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/15/24
Client Sample ID:	TP-1-EPH	SDG No.:	P4870
Lab Sample ID:	P4870-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.3
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
11/15/24 09:30	11/16/24 2:23	PB164994

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.7		1	2.03	2.26	mg/kg	FE051282.D
Aliphatic C9-C28	Aliphatic C9-C28	5.94		1	1.94	4.52	mg/kg	FE051282.D
Total AliphaticEPH	Total AliphaticEPH	17.6			3.97	6.78	mg/kg	
Total EPH	Total EPH	17.6			3.97	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051282.D	1	11/15/24	11/16/24	PB164994

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.94		1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.7		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.5		40 - 140	67%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4870-02	Acq On:	16 Nov 2024 02:23
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE051282.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.134	6.753	2061477	14.734	300	ug/ml
Aliphatic C12-C16	6.754	10.185	3111836	22.127	200	ug/ml
Aliphatic C16-C21	10.186	13.544	1861978	13.515	300	ug/ml
Aliphatic C21-C28	13.545	17.200	3801318	28.378	400	ug/ml
Aliphatic C28-C40	17.201	22.043	20062574	155.828	600	ug/ml
Aliphatic EPH	3.134	22.043	30899183	234.582		ug/ml
ortho-Terphenyl (SURR)	11.847	11.847	5031786	33.52		ug/ml
1-chlorooctadecane (SURR)	13.280	13.280	3738078	32.93		ug/ml
Aliphatic C9-C28	3.134	17.200	10836609	78.754	1200	ug/ml