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

Report of Analysis

Client:	PSEG	Date Collected:	11/13/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/13/24
Client Sample ID:	TP-2-EPH	SDG No.:	P4833
Lab Sample ID:	P4833-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.4
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/14/24 09:40	11/15/24 3:17	PB164966

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	32.4		1	1.93	2.14	mg/kg	FC067765.D
Aliphatic C9-C28	Aliphatic C9-C28	8.83		1	1.84	4.28	mg/kg	FC067765.D
Total AliphaticEPH	Total AliphaticEPH	41.2			3.77	6.42	mg/kg	
Total EPH	Total EPH	41.2			3.77	6.42	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
FC067765.D	1	11/14/24	11/15/24	PB164966

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.83		1.84	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.4		1.93	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.4		40 - 140	61%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.7		40 - 140	61%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4833-06	Acq On:	15 Nov 2024 03:17
Client Sample ID:	TP-2-EPH	Operator:	YP/AJ
Data file:	FC067765.D	Misc:	
Instrument:	FID_C	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.172	6.448	873242	5.267	300	ug/ml
Aliphatic C12-C16	6.449	9.838	1330016	7.806	200	ug/ml
Aliphatic C16-C21	9.839	13.195	1752722	10.333	300	ug/ml
Aliphatic C21-C28	13.196	16.848	16641448	105.808	400	ug/ml
Aliphatic C28-C40	16.849	21.688	55040268	454.46	600	ug/ml
Aliphatic EPH	3.172	21.688	75637696	583.674		ug/ml
ortho-Terphenyl (SURR)	11.490	11.490	5945343	30.67		ug/ml
1-chlorooctadecane (SURR)	12.929	12.929	4415663	30.42		ug/ml
Aliphatic C9-C28	3.172	16.848	20597428	129.214	1200	ug/ml