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

Report of Analysis

Client:	PSEG	Date Collected:	12/10/24
Project:	New Dover Substation	Date Received:	12/10/24
Client Sample ID:	WC-1-EPH	SDG No.:	P5239
Lab Sample ID:	P5239-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	80.7
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/11/24 08:51	12/11/24 16:48	PB165545

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.02		1	2.22	2.47	mg/kg	FE051627.D
Aliphatic C9-C28	Aliphatic C9-C28	3.21	J	1	2.13	4.95	mg/kg	FE051627.D
Total AliphaticEPH	Total AliphaticEPH	9.23			4.35	7.42	mg/kg	
Total EPH	Total EPH	9.23			4.35	7.42	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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Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051627.D	1	12/11/24	12/11/24	PB165545

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.21	J	2.13	4.95	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.02		2.22	2.47	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		46.2		40 - 140	92%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		41.8		40 - 140	84%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5239-02	Acq On:	11 Dec 2024 16:48
Client Sample ID:	WC-1-EPH	Operator:	YP\AJ
Data file:	FE051627.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.115	6.731	293458	2.075	300	ug/ml
Aliphatic C12-C16	6.732	10.164	855201	6.076	200	ug/ml
Aliphatic C16-C21	10.165	13.524	2059333	14.805	300	ug/ml
Aliphatic C21-C28	13.525	17.179	2372994	18.142	400	ug/ml
Aliphatic C28-C40	17.180	22.013	7824196	73.055	600	ug/ml
Aliphatic EPH	3.115	22.013	13405182	114.153		ug/ml
ortho-Terphenyl (SURR)	11.827	11.827	6317015	41.8		ug/ml
1-chlorooctadecane (SURR)	13.260	13.260	5158145	46.16		ug/ml
Aliphatic C9-C28	3.115	17.179	5580986	41.098	1200	ug/ml