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

Report of Analysis

Client:	PSEG	Date Collected:	10/21/24
Project:	181 Boulevard MH & Conduit	Date Received:	10/21/24
Client Sample ID:	TP-1-EPH	SDG No.:	P4467
Lab Sample ID:	P4467-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/22/24 08:39	10/22/24 17:06	PB164308

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.75		1	2.00	2.23	mg/kg	FE050768.D
Aliphatic C9-C28	Aliphatic C9-C28	1.93	J	1	1.91	4.44	mg/kg	FE050768.D
Total AliphaticEPH	Total AliphaticEPH	10.7			3.91	6.67	mg/kg	
Total EPH	Total EPH	10.7			3.91	6.67	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
FE050768.D	1	10/22/24	10/22/24	PB164308

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		1.93	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		8.75		2.00	2.23	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		42.2		40 - 140	84%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		38.2		40 - 140	76%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4467-02	Acq On:	22 Oct 2024 17:06
Client Sample ID:	TP-1-EPH	Operator:	YP\AJ
Data file:	FE050768.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	3.150	6.769	329049	2.303	300	ug/ml
Aliphatic C12-C16	6.770	10.202	861155	5.934	200	ug/ml
Aliphatic C16-C21	10.203	13.562	997107	6.905	300	ug/ml
Aliphatic C21-C28	13.563	17.219	1867014	13.134	400	ug/ml
Aliphatic C28-C40	17.220	22.072	16314850	117.964	600	ug/ml
Aliphatic EPH	3.150	22.072	20369175	146.24		ug/ml
ortho-Terphenyl (SURR)	11.862	11.862	6019348	38.18		ug/ml
1-chlorooctadecane (SURR)	13.296	13.296	4993443	42.21		ug/ml
Aliphatic C9-C28	3.150	17.219	4054325	28.276	1200	ug/ml