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

Report of Analysis

Client:	PSEG			Date Collected:	11/11/24
Project:	Hackensack Sub HQ			Date Received:	11/11/24
Client Sample ID:	RBR200035			SDG No.:	P4812
Lab Sample ID:	P4812-01			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	81.4
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
11/12/24 08:00	11/12/24 18:15	PB164909

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.06		1	2.21	2.46	mg/kg	FG014752.D
Aliphatic C9-C28	Aliphatic C9-C28	18.7		1	2.11	4.92	mg/kg	FG014752.D
Total AliphaticEPH	Total AliphaticEPH	27.7			4.32	7.38	mg/kg	
Total EPH	Total EPH	27.7			4.32	7.38	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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Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014752.D	1	11/12/24	11/12/24	PB164909

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	18.7		2.11	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.06		2.21	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.8		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.7		40 - 140	91%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4812-01	Acq On:	12 Nov 2024 18:15
Client Sample ID:	RBR200035	Operator:	YP\AJ
Data file:	FG014752.D	Misc:	
Instrument:	FID_G	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.843	676502	5.151	300	ug/ml
Aliphatic C12-C16	6.844	10.287	3026804	22.285	200	ug/ml
Aliphatic C16-C21	10.288	13.658	20943051	148.269	300	ug/ml
Aliphatic C21-C28	13.659	17.324	8154609	58.006	400	ug/ml
Aliphatic C28-C40	17.325	22.256	11697718	110.683	600	ug/ml
Aliphatic EPH	3.223	22.256	44498684	344.394		ug/ml
ortho-Terphenyl (SURR)	11.952	11.952	7005194	45.71		ug/ml
1-chlorooctadecane (SURR)	13.391	13.391	5253633	42.79		ug/ml
Aliphatic C9-C28	3.223	17.324	32800966	233.711	1200	ug/ml