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-E2	SDG No.:	P4812
Lab Sample ID:	P4812-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	81.2
Sample Wt/Vol:	30.04 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 18:43	PB164909

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.90		1	2.21	2.46	mg/kg	FG014753.D
Aliphatic C9-C28	Aliphatic C9-C28	8.53		1	2.12	4.92	mg/kg	FG014753.D
Total AliphaticEPH	Total AliphaticEPH	12.4			4.33	7.38	mg/kg	
Total EPH	Total EPH	12.4			4.33	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG014753.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	8.53		2.12	4.92	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.90		2.21	2.46	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.5		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.3		40 - 140	62%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4812-02	Acq On:	12 Nov 2024 18:43
Client Sample ID:	RBR200035-E2	Operator:	YP\AJ
Data file:	FG014753.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.223	6.843	523292	3.984	300	ug/ml
Aliphatic C12-C16	6.844	10.287	1719639	12.661	200	ug/ml
Aliphatic C16-C21	10.288	13.658	8993020	63.667	300	ug/ml
Aliphatic C21-C28	13.659	17.324	3884153	27.629	400	ug/ml
Aliphatic C28-C40	17.325	22.256	5027369	47.568	600	ug/ml
Aliphatic EPH	3.223	22.256	20147473	155.51		ug/ml
ortho-Terphenyl (SURR)	11.951	11.951	4789182	31.25		ug/ml
1-chlorooctadecane (SURR)	13.389	13.389	3619740	29.48		ug/ml
Aliphatic C9-C28	3.223	17.324	15120104	107.941	1200	ug/ml