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

Report of Analysis

Client:	PSEG	Date Collected:	04/21/25
Project:	Lawrenceville HQ	Date Received:	04/21/25
Client Sample ID:	RBR200027-E2	SDG No.:	Q1848
Lab Sample ID:	Q1848-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.8
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
04/22/25 09:40	04/22/25 23:18	PB167690

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	30.0		1	1.39	2.36	mg/kg	FE053481.D
Aliphatic C9-C28	Aliphatic C9-C28	34.2		1	1.07	4.71	mg/kg	FE053481.D
Total AliphaticEPH	Total AliphaticEPH	64.2			2.46	7.08	mg/kg	
Total EPH	Total EPH	64.2			2.46	7.08	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
FE053481.D	1	04/22/25	04/22/25	PB167690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	34.2		1.07	4.71	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.0		1.39	2.36	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.5		40 - 140	49%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1848-02	Acq On:	22 Apr 2025 23:18
Client Sample ID:	RBR200027-E2	Operator:	YP\AJ
Data file:	FE053481.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.123	6.764	428316	3.091	300	ug/ml
Aliphatic C12-C16	6.765	10.214	12300825	86.744	200	ug/ml
Aliphatic C16-C21	10.215	13.590	13556946	93.262	300	ug/ml
Aliphatic C21-C28	13.591	17.259	35813971	251.901	400	ug/ml
Aliphatic C28-C40	17.260	22.156	49354749	382.449	600	ug/ml
Aliphatic EPH	3.123	22.156	111454807	817.448		ug/ml
ortho-Terphenyl (SURR)	11.873	11.873	4415284	24.48		ug/ml
1-chlorooctadecane (SURR)	13.318	13.318	3708270	27.43		ug/ml
Aliphatic C9-C28	3.123	17.259	62100058	434.998	1200	ug/ml