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

Report of Analysis

Client:	PSEG		Date Collected:	06/04/25	
Project:	PSEG 1500 Clinton St		Date Received:	06/05/25	
Client Sample ID:	TP-2-EPH		SDG No.:	Q2240	
Lab Sample ID:	Q2240-06		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	84.3	
Sample Wt/Vol:	30.07	Units: g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
06/09/25 08:30	06/10/25 12:16	PB168341

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	132		10	14.0	23.7	mg/kg	FE054282.D
Aliphatic C9-C28	Aliphatic C9-C28	36.2		1	1.08	4.73	mg/kg	FE054252.D
Total AliphaticEPH	Total AliphaticEPH	168			15.1	28.4	mg/kg	
Total EPH	Total EPH	168			15.1	28.4	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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Lab Sample ID:	Q2240-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.3
Sample Wt/Vol:	30.07 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
FE054252.D	1	06/09/25	06/09/25	PB168341

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	36.2		1.08	4.73	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	146	E	1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	34.2		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.3		40 - 140	51%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2240-06	Acq On:	09 Jun 2025 18:11
Client Sample ID:	TP-2-EPH	Operator:	YP\AJ
Data file:	FE054252.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.082	6.727	2238326	16.511	300	ug/ml
Aliphatic C12-C16	6.728	10.174	9901415	73.376	200	ug/ml
Aliphatic C16-C21	10.175	13.548	20775431	157.496	300	ug/ml
Aliphatic C21-C28	13.549	17.217	26283846	211.664	400	ug/ml
Aliphatic C28-C40	17.218	22.094	214175395	1860	600	ug/ml
Aliphatic EPH	3.082	22.094	273374413	2310		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	4106000	25.27		ug/ml
1-chlorooctadecane (SURR)	13.287	13.287	4049706	34.16		ug/ml
Aliphatic C9-C28	3.082	17.217	59199018	459.047	1200	ug/ml