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

Report of Analysis

Client:	PSEG	Date Collected:	06/05/25
Project:	PSEG Spring Valley	Date Received:	06/05/25
Client Sample ID:	TP-S-EPH	SDG No.:	Q2241
Lab Sample ID:	Q2241-07	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.2
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
06/06/25 10:00	06/06/25 22:25	PB168322

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	29.5		1	1.31	2.22	mg/kg	FE054232.D
Aliphatic C9-C28	Aliphatic C9-C28	3.17	J	1	1.01	4.44	mg/kg	FE054232.D
Total AliphaticEPH	Total AliphaticEPH	32.7			2.32	6.66	mg/kg	
Total EPH	Total EPH	32.7			2.32	6.66	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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Client Sample ID:	TP-S-EPH		SDG No.:	Q2241	
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Analytical Method:	NJEPH		% Solid:	90.2	
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
FE054232.D	1	06/06/25	06/06/25	PB168322

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.17	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		29.5		1.31	2.22	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		38.0		40 - 140	76%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		34.9		40 - 140	70%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2241-07	Acq On:	06 Jun 2025 22:25
Client Sample ID:	TP-S-EPH	Operator:	YP\AJ
Data file:	FE054232.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.080	6.725	286958	2.117	300	ug/ml
Aliphatic C12-C16	6.726	10.172	617601	4.577	200	ug/ml
Aliphatic C16-C21	10.173	13.547	621668	4.713	300	ug/ml
Aliphatic C21-C28	13.548	17.214	3917056	31.544	400	ug/ml
Aliphatic C28-C40	17.215	22.084	46127457	399.611	600	ug/ml
Aliphatic EPH	3.080	22.084	51570740	442.562		ug/ml
ortho-Terphenyl (SURR)	11.833	11.833	5669159	34.88		ug/ml
1-chlorooctadecane (SURR)	13.278	13.278	4509622	38.04		ug/ml
Aliphatic C9-C28	3.080	17.214	5443283	42.951	1200	ug/ml