

Report of Analysis

Client:	PSEG	Date Collected:	09/09/25
Project:	PSEG Spring Valley	Date Received:	09/09/25
Client Sample ID:	MH-384	SDG No.:	Q3054
Lab Sample ID:	Q3054-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.5
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
09/10/25 09:50	09/10/25 19:16	PB169635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	12.5		1	1.32	2.23	mg/kg	FE055753.D
Aliphatic C9-C28	Aliphatic C9-C28	3.01	J	1	1.01	4.47	mg/kg	FE055753.D
Total AliphaticEPH	Total AliphaticEPH	15.5			2.34	6.70	mg/kg	
Total EPH	Total EPH	15.5			2.34	6.70	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055753.D	1	09/10/25	09/10/25	PB169635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.01	J	1.01	4.47	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	12.5		1.32	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.9		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.5		40 - 140	95%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3054-05	Acq On:	10 Sep 2025 19:16
Client Sample ID:	MH-384	Operator:	YP\AJ
Data file:	FE055753.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	771244	6.006	300	ug/ml
Aliphatic C12-C16	6.948	10.400	1505339	11.143	200	ug/ml
Aliphatic C16-C21	10.401	13.779	1349252	9.356	300	ug/ml
Aliphatic C21-C28	13.780	17.450	2005365	14	400	ug/ml
Aliphatic C28-C40	17.451	22.463	23080545	167.591	600	ug/ml
Aliphatic EPH	3.314	22.463	28711745	208.096		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	7798012	47.47		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	6241097	49.91		ug/ml
Aliphatic C9-C28	3.314	17.450	5631200	40.505	1200	ug/ml