

Report of Analysis

Client:	PSEG	Date Collected:	09/08/25
Project:	PSEG Spring Valley	Date Received:	09/09/25
Client Sample ID:	MH-385-EPH	SDG No.:	Q3054
Lab Sample ID:	Q3054-02	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
09/10/25 09:50	09/10/25 18:45	PB169635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.31		1	1.31	2.22	mg/kg	FE055752.D
Aliphatic C9-C28	Aliphatic C9-C28	4.03	J	1	1.01	4.44	mg/kg	FE055752.D
Total AliphaticEPH	Total AliphaticEPH	12.3			2.32	6.66	mg/kg	
Total EPH	Total EPH	12.3			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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055752.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	4.03	J	1.01	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.31		1.31	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.3		40 - 140	99%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.0		40 - 140	94%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3054-02	Acq On:	10 Sep 2025 18:45
Client Sample ID:	MH-385-EPH	Operator:	YP\AJ
Data file:	FE055752.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	3.314	6.947	656466	5.113	300	ug/ml
Aliphatic C12-C16	6.948	10.400	1507778	11.161	200	ug/ml
Aliphatic C16-C21	10.401	13.779	2113538	14.655	300	ug/ml
Aliphatic C21-C28	13.780	17.450	3383007	23.618	400	ug/ml
Aliphatic C28-C40	17.451	22.463	15490497	112.478	600	ug/ml
Aliphatic EPH	3.314	22.463	23151286	167.026		ug/ml
ortho-Terphenyl (SURR)	12.077	12.077	7713970	46.96		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	6161508	49.27		ug/ml
Aliphatic C9-C28	3.314	17.450	7660789	54.547	1200	ug/ml