

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	New Milford Sub	Date Received:	
Client Sample ID:	PB169284BS	SDG No.:	Q2871
Lab Sample ID:	PB169284BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/18/25 08:35	08/18/25 16:09	PB169284

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	25.6		1	1.18	2.00	mg/kg	FC069694.D
Aliphatic C9-C28	Aliphatic C9-C28	65.0		1	0.91	3.99	mg/kg	FC069694.D
Total AliphaticEPH	Total AliphaticEPH	90.6			2.09	5.99	mg/kg	
Total EPH	Total EPH	90.6			2.09	5.99	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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Project:	New Milford Sub	Date Received:	
Client Sample ID:	PB169284BS	SDG No.:	Q2871
Lab Sample ID:	PB169284BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 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
FC069694.D	1	08/18/25	08/18/25	PB169284

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	65.0		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	25.6		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.4		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.3		40 - 140	75%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169284BS	Acq On:	18 Aug 2025 16:09
Client Sample ID:	PB169284BS	Operator:	YP/AJ
Data file:	FC069694.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.591	25217825	174.302	300	ug/ml
Aliphatic C12-C16	6.592	9.994	32358980	225.6	200	ug/ml
Aliphatic C16-C21	9.995	13.363	34611236	259.141	300	ug/ml
Aliphatic C21-C28	13.364	17.028	37469466	316.712	400	ug/ml
Aliphatic C28-C40	17.029	22.000	36655901	384.576	600	ug/ml
Aliphatic EPH	3.296	22.000	166313408	1360		ug/ml
ortho-Terphenyl (SURR)	11.663	11.663	5569019	37.33		ug/ml
1-chlorooctadecane (SURR)	13.097	13.097	4290092	39.35		ug/ml
Aliphatic C9-C28	3.296	17.028	129657507	975.755	1200	ug/ml