

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	New Milford Sub	Date Received:	
Client Sample ID:	PB169284BSD	SDG No.:	Q2871
Lab Sample ID:	PB169284BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/18/25 08:35	08/18/25 16:53	PB169284

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	28.2		1	1.18	2.00	mg/kg FC069695.D
Aliphatic C9-C28	Aliphatic C9-C28	71.4		1	0.91	3.99	mg/kg FC069695.D
Total AliphaticEPH	Total AliphaticEPH	99.6			2.09	5.99	mg/kg
Total EPH	Total EPH	99.6			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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC069695.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	71.4		0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.0		40 - 140	86%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.7		40 - 140	81%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169284BSD	Acq On:	18 Aug 2025 16:53
Client Sample ID:	PB169284BSD	Operator:	YP/AJ
Data file:	FC069695.D	Misc:	
Instrument:	FID_C	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.296	6.591	27346340	189.014	300	ug/ml
Aliphatic C12-C16	6.592	9.994	35142569	245.007	200	ug/ml
Aliphatic C16-C21	9.995	13.363	37870496	283.544	300	ug/ml
Aliphatic C21-C28	13.364	17.028	41872010	353.924	400	ug/ml
Aliphatic C28-C40	17.029	22.000	40394839	423.803	600	ug/ml
Aliphatic EPH	3.296	22.000	182626254	1500		ug/ml
ortho-Terphenyl (SURR)	11.664	11.664	6071453	40.7		ug/ml
1-chlorooctadecane (SURR)	13.098	13.098	4687886	43		ug/ml
Aliphatic C9-C28	3.296	17.028	142231415	1070	1200	ug/ml