

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	PSEG Keasby	Date Received:	04/25/25
Client Sample ID:	MH-U2	SDG No.:	Q1892
Lab Sample ID:	Q1892-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.5
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
04/28/25 10:25	04/28/25 20:13	PB167768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.06		1	1.35	2.28	mg/kg	FC068710.D
Aliphatic C9-C28	Aliphatic C9-C28	3.68	J	1	1.04	4.56	mg/kg	FC068710.D
Total AliphaticEPH	Total AliphaticEPH	6.74	J		2.39	6.84	mg/kg	
Total EPH	Total EPH	6.74	J		2.39	6.84	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
FC068710.D	1	04/28/25	04/28/25	PB167768

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.68	J	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.06		1.35	2.28	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	26.1		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	24.6		40 - 140	49%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1892-09	Acq On:	28 Apr 2025 20:13
Client Sample ID:	MH-U2	Operator:	YP/AJ
Data file:	FC068710.D	Misc:	
Instrument:	FID_C	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.347	6.650	239230	2.272	300	ug/ml
Aliphatic C12-C16	6.651	10.052	439456	4.295	200	ug/ml
Aliphatic C16-C21	10.053	13.421	3104186	31.414	300	ug/ml
Aliphatic C21-C28	13.422	17.088	980990	10.416	400	ug/ml
Aliphatic C28-C40	17.089	22.095	3620919	40.285	600	ug/ml
Aliphatic EPH	3.347	22.095	8384781	88.681		ug/ml
ortho-Terphenyl (SURR)	11.718	11.718	3139168	24.65		ug/ml
1-chlorooctadecane (SURR)	13.152	13.152	2428143	26.14		ug/ml
Aliphatic C9-C28	3.347	17.088	4763862	48.397	1200	ug/ml