

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Galloping Hills Sub OP	Date Received:	04/25/25
Client Sample ID:	MH-C-EPH	SDG No.:	Q1891
Lab Sample ID:	Q1891-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/28/25 08:00	04/28/25 16:39	PB167768

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	21.6		1	1.29	2.18	mg/kg FE053546.D
Aliphatic C9-C28	Aliphatic C9-C28	63.9		1	0.99	4.37	mg/kg FE053546.D
Total AliphaticEPH	Total AliphaticEPH	85.5			2.28	6.55	mg/kg
Total EPH	Total EPH	85.5			2.28	6.55	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

Report of Analysis

Client:	PSEG	Date Collected:	04/25/25
Project:	Galloping Hills Sub OP	Date Received:	04/25/25
Client Sample ID:	MH-C-EPH	SDG No.:	Q1891
Lab Sample ID:	Q1891-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.5
Sample Wt/Vol:	30.02 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
FE053546.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	63.9		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.6		1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.5		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.9		40 - 140	54%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1891-02	Acq On:	28 Apr 2025 16:39
Client Sample ID:	MH-C-EPH	Operator:	YP\AJ
Data file:	FE053546.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.119	6.761	414726	2.993	300	ug/ml
Aliphatic C12-C16	6.762	10.211	6301879	44.44	200	ug/ml
Aliphatic C16-C21	10.212	13.587	56081186	385.799	300	ug/ml
Aliphatic C21-C28	13.588	17.257	63013148	443.21	400	ug/ml
Aliphatic C28-C40	17.258	22.153	38346038	297.143	600	ug/ml
Aliphatic EPH	3.119	22.153	164156977	1170		ug/ml
ortho-Terphenyl (SURR)	11.876	11.876	4843172	26.85		ug/ml
1-chlorooctadecane (SURR)	13.322	13.322	5333772	39.46		ug/ml
Aliphatic C9-C28	3.119	17.257	125810939	876.442	1200	ug/ml