

Report of Analysis

Client:	PSEG	Date Collected:	05/02/25
Project:	Galloping Hills Sub OP	Date Received:	05/02/25
Client Sample ID:	MH-KK-EPH	SDG No.:	Q1951
Lab Sample ID:	Q1951-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/06/25 08:35	05/06/25 17:02	PB167876

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	8.35		1	1.39	2.35	mg/kg	FE053672.D
Aliphatic C9-C28	Aliphatic C9-C28	2.23	J	1	1.07	4.69	mg/kg	FE053672.D
Total AliphaticEPH	Total AliphaticEPH	10.6			2.46	7.04	mg/kg	
Total EPH	Total EPH	10.6			2.46	7.04	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
FE053672.D	1	05/06/25	05/06/25	PB167876

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.23	J	1.07	4.69	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8.35		1.39	2.35	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.4		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1951-02	Acq On:	06 May 2025 17:02
Client Sample ID:	MH-KK-EPH	Operator:	YP\AJ
Data file:	FE053672.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.110	6.752	459293	3.315	300	ug/ml
Aliphatic C12-C16	6.753	10.201	847339	5.975	200	ug/ml
Aliphatic C16-C21	10.202	13.575	643949	4.43	300	ug/ml
Aliphatic C21-C28	13.576	17.244	2092352	14.717	400	ug/ml
Aliphatic C28-C40	17.245	22.131	13759829	106.625	600	ug/ml
Aliphatic EPH	3.110	22.131	17802762	135.061		ug/ml
ortho-Terphenyl (SURR)	11.863	11.863	5850291	32.44		ug/ml
1-chlorooctadecane (SURR)	13.308	13.308	4441171	32.85		ug/ml
Aliphatic C9-C28	3.110	17.244	4042933	28.437	1200	ug/ml