

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Kearny Switch	Date Received:	
Client Sample ID:	72-11930-343-COMPMSD	SDG No.:	Q1524
Lab Sample ID:	Q1524-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/10/25 08:00	03/10/25 17:01	PB167046

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	
TARGETS									
Aliphatic C28-C40	Aliphatic C28-C40	30.9		1	1.33	1.13	2.25	mg/kg	FE052704.D
Aliphatic C9-C28	Aliphatic C9-C28	84.3		1	1.03	2.26	4.51	mg/kg	FE052704.D
Total AliphaticEPH	Total AliphaticEPH	115			2.36	3.38	6.76	mg/kg	
Total EPH	Total EPH	115			2.36	3.38	6.76	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
FE052704.D	1	03/10/25	03/10/25	PB167046

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28	84.3		1.03	3.04	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.9		1.33	1.80	2.25	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)	30.1		40 - 140		60%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.3		40 - 140		57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1524-01MSD	Acq On:	10 Mar 2025 17:01
Client Sample ID:	Q1524-01MSD	Operator:	YP\AJ
Data file:	FE052704.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	27064792	173.55	300	ug/ml
Aliphatic C12-C16	6.797	10.250	37483259	246.441	200	ug/ml
Aliphatic C16-C21	10.251	13.630	44567276	304.114	300	ug/ml
Aliphatic C21-C28	13.631	17.305	56832376	398.958	400	ug/ml
Aliphatic C28-C40	17.306	22.234	52550713	411.875	600	ug/ml
Aliphatic EPH	3.151	22.234	218498416	1530		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4775682	28.33		ug/ml
1-chlorooctadecane (SURR)	13.359	13.359	3650371	30.06		ug/ml
Aliphatic C9-C28	3.151	17.305	165947703	1120	1200	ug/ml