

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Kearny Switch	Date Received:	
Client Sample ID:	72-11930-343-COMPMS	SDG No.:	Q1524
Lab Sample ID:	Q1524-01MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.5
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
03/10/25 08:00	03/10/25 16:31	PB167046

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOD	LOQ / CRQL	Units(Dry Weight)	
TARGETS									
Aliphatic C28-C40	Aliphatic C28-C40	30.3		1	1.33	1.13	2.26	mg/kg	FE052703.D
Aliphatic C9-C28	Aliphatic C9-C28	83.5		1	1.03	2.26	4.51	mg/kg	FE052703.D
Total AliphaticEPH	Total AliphaticEPH	114			2.36	3.39	6.77	mg/kg	
Total EPH	Total EPH	114			2.36	3.39	6.77	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
FE052703.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	83.5		1.03	3.04	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	30.3		1.33	1.80	2.26	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)	29.7		40 - 140		59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.0		40 - 140		56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1524-01MS	Acq On:	10 Mar 2025 16:31
Client Sample ID:	Q1524-01MS	Operator:	YP\AJ
Data file:	FE052703.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.151	6.796	26718146	171.327	300	ug/ml
Aliphatic C12-C16	6.797	10.250	37052881	243.611	200	ug/ml
Aliphatic C16-C21	10.251	13.630	44021712	300.391	300	ug/ml
Aliphatic C21-C28	13.631	17.305	56246958	394.849	400	ug/ml
Aliphatic C28-C40	17.306	22.234	51472324	403.423	600	ug/ml
Aliphatic EPH	3.151	22.234	215512021	1510		ug/ml
ortho-Terphenyl (SURR)	11.915	11.915	4724311	28.02		ug/ml
1-chlorooctadecane (SURR)	13.360	13.360	3606391	29.7		ug/ml
Aliphatic C9-C28	3.151	17.305	164039697	1110	1200	ug/ml