

Report of Analysis

Client:	PSEG	Date Collected:	05/09/25
Project:	Camden M&R	Date Received:	05/09/25
Client Sample ID:	2811	SDG No.:	Q2004
Lab Sample ID:	Q2004-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/12/25 08:30	05/13/25 11:31	PB167945

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.07		1	1.24	2.11	mg/kg	FC068845.D
Aliphatic C9-C28	Aliphatic C9-C28	2.03	J	1	0.96	4.20	mg/kg	FC068845.D
Total AliphaticEPH	Total AliphaticEPH	11.1			2.20	6.31	mg/kg	
Total EPH	Total EPH	11.1			2.20	6.31	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 :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068845.D	1	05/12/25	05/13/25	PB167945

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.03	J	0.96	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.07		1.24	2.11	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.6		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.1		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2004-03	Acq On:	13 May 2025 11:31
Client Sample ID:	2811	Operator:	YP/AJ
Data file:	FC068845.D	Misc:	
Instrument:	FID_C	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.341	6.641	312025	3.148	300	ug/ml
Aliphatic C12-C16	6.642	10.040	538189	5.915	200	ug/ml
Aliphatic C16-C21	10.041	13.406	814223	9.494	300	ug/ml
Aliphatic C21-C28	13.407	17.068	862579	10.381	400	ug/ml
Aliphatic C28-C40	17.069	22.062	10931495	129.179	600	ug/ml
Aliphatic EPH	3.341	22.062	13458511	158.117		ug/ml
ortho-Terphenyl (SURR)	11.708	11.708	3205989	28.09		ug/ml
1-chlorooctadecane (SURR)	13.141	13.141	2533044	31.57		ug/ml
Aliphatic C9-C28	3.341	17.068	2527016	28.938	1200	ug/ml