

Report of Analysis

Client:	PSEG	Date Collected:	04/24/25
Project:	Camden M&R	Date Received:	04/24/25
Client Sample ID:	RT1491	SDG No.:	Q1874
Lab Sample ID:	Q1874-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.8
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/25/25 08:45	04/25/25 17:24	PB167736

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.27		1	1.28	2.18	mg/kg	FE053532.D
Aliphatic C9-C28	Aliphatic C9-C28	1.86	J	1	0.99	4.36	mg/kg	FE053532.D
Total AliphaticEPH	Total AliphaticEPH	5.13	J		2.27	6.54	mg/kg	
Total EPH	Total EPH	5.13	J		2.27	6.54	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
FE053532.D	1	04/25/25	04/25/25	PB167736

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.86	J	0.99	4.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.27		1.28	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.4		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	38.5		40 - 140	77%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1874-03	Acq On:	25 Apr 2025 17:24
Client Sample ID:	RT1491	Operator:	YP\AJ
Data file:	FE053532.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.117	6.758	487945	3.521	300	ug/ml
Aliphatic C12-C16	6.759	10.207	1321113	9.316	200	ug/ml
Aliphatic C16-C21	10.208	13.582	614943	4.23	300	ug/ml
Aliphatic C21-C28	13.583	17.248	1210150	8.512	400	ug/ml
Aliphatic C28-C40	17.249	22.139	5823511	45.126	600	ug/ml
Aliphatic EPH	3.117	22.139	9457662	70.706		ug/ml
ortho-Terphenyl (SURR)	11.871	11.871	6936500	38.46		ug/ml
1-chlorooctadecane (SURR)	13.315	13.315	5455248	40.36		ug/ml
Aliphatic C9-C28	3.117	17.248	3634151	25.579	1200	ug/ml