

Report of Analysis

Client:	PSEG	Date Collected:	04/10/25
Project:	PSEG 14th St	Date Received:	04/10/25
Client Sample ID:	WC-11	SDG No.:	Q1781
Lab Sample ID:	Q1781-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.3
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
04/11/25 09:40	04/11/25 15:52	PB167562

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.16		1	1.35	2.29	mg/kg	FC068581.D
Aliphatic C9-C28	Aliphatic C9-C28	2.40	J	1	1.04	4.59	mg/kg	FC068581.D
Total AliphaticEPH	Total AliphaticEPH	5.56	J		2.39	6.88	mg/kg	
Total EPH	Total EPH	5.56	J		2.39	6.88	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
FC068581.D	1	04/11/25	04/11/25	PB167562

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.40	J	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.16		1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.7		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.3		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1781-09	Acq On:	11 Apr 2025 15:52
Client Sample ID:	WC-11	Operator:	YP/AJ
Data file:	FC068581.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.345	6.644	422285	4.011	300	ug/ml
Aliphatic C12-C16	6.645	10.044	724806	7.084	200	ug/ml
Aliphatic C16-C21	10.045	13.410	892380	9.031	300	ug/ml
Aliphatic C21-C28	13.411	17.076	1066330	11.322	400	ug/ml
Aliphatic C28-C40	17.077	22.084	3720171	41.389	600	ug/ml
Aliphatic EPH	3.345	22.084	6825972	72.836		ug/ml
ortho-Terphenyl (SURR)	11.716	11.716	4244925	33.34		ug/ml
1-chlorooctadecane (SURR)	13.149	13.149	2947097	31.73		ug/ml
Aliphatic C9-C28	3.345	17.076	3105801	31.448	1200	ug/ml