

Report of Analysis

Client:	PSEG	Date Collected:	07/21/25
Project:	Washington St- Bay St OP	Date Received:	07/21/25
Client Sample ID:	TP-1	SDG No.:	Q2668
Lab Sample ID:	Q2668-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
07/23/25 11:20	07/23/25 17:54	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1	1.40	2.37	mg/kg	FE054992.D
Aliphatic C9-C28	Aliphatic C9-C28	1.87	J	1	1.08	4.75	mg/kg	FE054992.D
Total AliphaticEPH	Total AliphaticEPH	23.3			2.48	7.12	mg/kg	
Total EPH	Total EPH	23.3			2.48	7.12	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

Report of Analysis

Client:	PSEG	Date Collected:	07/21/25
Project:	Washington St- Bay St OP	Date Received:	07/21/25
Client Sample ID:	TP-1	SDG No.:	Q2668
Lab Sample ID:	Q2668-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	84.2
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054992.D	1	07/23/25	07/23/25	PB168980

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.87	J	1.08	4.75	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	21.4		1.40	2.37	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.2		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.0		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2668-09	Acq On:	23 Jul 2025 17:54
Client Sample ID:	TP-1	Operator:	YP\AJ
Data file:	FE054992.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	418380	3.075	300	ug/ml
Aliphatic C12-C16	6.959	10.410	652225	4.64	200	ug/ml
Aliphatic C16-C21	10.411	13.488	808352	5.598	300	ug/ml
Aliphatic C21-C28	13.489	17.459	1502942	10.39	400	ug/ml
Aliphatic C28-C40	17.460	22.481	37622601	271.354	600	ug/ml
Aliphatic EPH	3.325	22.481	41004500	295.058		ug/ml
ortho-Terphenyl (SURR)	12.084	12.084	4061108	25.01		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	3177649	25.16		ug/ml
Aliphatic C9-C28	3.325	17.459	3381899	23.703	1200	ug/ml