

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-2	SDG No.:	Q2668
Lab Sample ID:	Q2668-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	78.5
Sample Wt/Vol:	30.06	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 15:53	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1	1.50	2.54	mg/kg FE054988.D
Aliphatic C9-C28	Aliphatic C9-C28	58.6		1	1.16	5.09	mg/kg FE054988.D
Total AliphaticEPH	Total AliphaticEPH	83.1			2.66	7.63	mg/kg
Total EPH	Total EPH	83.1			2.66	7.63	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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Sample Wt/Vol:	30.06 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
FE054988.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	58.6		1.16	5.09	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.5		1.50	2.54	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.4		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.8		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2668-01	Acq On:	23 Jul 2025 15:53
Client Sample ID:	TP-2	Operator:	YP\AJ
Data file:	FE054988.D	Misc:	
Instrument:	FID_E	ALS Vial:	19
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	7808600	57.393	300	ug/ml
Aliphatic C12-C16	6.959	10.410	28758225	204.586	200	ug/ml
Aliphatic C16-C21	10.411	13.488	33488006	231.922	300	ug/ml
Aliphatic C21-C28	13.489	17.459	28566904	197.487	400	ug/ml
Aliphatic C28-C40	17.460	22.481	40080918	289.085	600	ug/ml
Aliphatic EPH	3.325	22.481	138702653	980.473		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4507348	27.76		ug/ml
1-chlorooctadecane (SURR)	13.522	13.522	3456885	27.37		ug/ml
Aliphatic C9-C28	3.325	17.459	98621735	691.388	1200	ug/ml