

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-3	SDG No.:	Q2668
Lab Sample ID:	Q2668-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.3
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/23/25 11:20	07/23/25 16:53	PB168980

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	41.0		1	1.28	2.17	mg/kg FE054990.D
Aliphatic C9-C28	Aliphatic C9-C28	4.91		1	0.99	4.32	mg/kg FE054990.D
Total AliphaticEPH	Total AliphaticEPH	45.9			2.27	6.49	mg/kg
Total EPH	Total EPH	45.9			2.27	6.49	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
FE054990.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	4.91		0.99	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.0		1.28	2.17	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.1		40 - 140	58%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	28.5		40 - 140	57%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2668-05	Acq On:	23 Jul 2025 16:53
Client Sample ID:	TP-3	Operator:	YP\AJ
Data file:	FE054990.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	374703	2.754	300	ug/ml
Aliphatic C12-C16	6.959	10.410	752883	5.356	200	ug/ml
Aliphatic C16-C21	10.411	13.488	1143777	7.921	300	ug/ml
Aliphatic C21-C28	13.489	17.459	7524520	52.018	400	ug/ml
Aliphatic C28-C40	17.460	22.481	78836681	568.612	600	ug/ml
Aliphatic EPH	3.325	22.481	88632564	636.662		ug/ml
ortho-Terphenyl (SURR)	12.085	12.085	4630672	28.52		ug/ml
1-chlorooctadecane (SURR)	13.521	13.521	3675176	29.1		ug/ml
Aliphatic C9-C28	3.325	17.459	9795883	68.049	1200	ug/ml