

Report of Analysis

Client:	PSEG	Date Collected:	05/20/25
Project:	PSEG Durham Ave Test Pits	Date Received:	05/20/25
Client Sample ID:	WCS-TP1	SDG No.:	Q2095
Lab Sample ID:	Q2095-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
05/21/25 09:30	05/21/25 19:21	PB168103

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	24.6		1	1.26	2.14	mg/kg FE053954.D
Aliphatic C9-C28	Aliphatic C9-C28	7.47		1	0.98	4.28	mg/kg FE053954.D
Total AliphaticEPH	Total AliphaticEPH	32.1			2.23	6.42	mg/kg
Total EPH	Total EPH	32.1			2.23	6.42	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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Analytical Method:	NJEPH	% Solid:	93.2
Sample Wt/Vol:	30.04 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
FE053954.D	1	05/21/25	05/21/25	PB168103

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7.47		0.98	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	24.6		1.26	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2095-01	Acq On:	21 May 2025 19:21
Client Sample ID:	WCS-TP1	Operator:	YP\AJ
Data file:	FE053954.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.735	530922	3.916	300	ug/ml
Aliphatic C12-C16	6.736	10.183	1699036	12.591	200	ug/ml
Aliphatic C16-C21	10.184	13.556	4277337	32.426	300	ug/ml
Aliphatic C21-C28	13.557	17.223	6898067	55.55	400	ug/ml
Aliphatic C28-C40	17.224	22.099	39687738	343.823	600	ug/ml
Aliphatic EPH	3.094	22.099	53093100	448.306		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	5238263	32.23		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	4249617	35.85		ug/ml
Aliphatic C9-C28	3.094	17.223	13405362	104.483	1200	ug/ml