

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-EPH	SDG No.:	Q2095
Lab Sample ID:	Q2095-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/21/25 09:30	05/21/25 19:52	PB168103

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1	1.27	2.15	mg/kg FE053955.D
Aliphatic C9-C28	Aliphatic C9-C28	4.90		1	0.98	4.32	mg/kg FE053955.D
Total AliphaticEPH	Total AliphaticEPH	25.6			2.25	6.47	mg/kg
Total EPH	Total EPH	25.6			2.25	6.47	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053955.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	4.90		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	20.7		1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.5		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.7		40 - 140	65%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2095-02	Acq On:	21 May 2025 19:52
Client Sample ID:	WCS-TP1-EPH	Operator:	YP\AJ
Data file:	FE053955.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.094	6.735	217993	1.608	300	ug/ml
Aliphatic C12-C16	6.736	10.183	1180556	8.749	200	ug/ml
Aliphatic C16-C21	10.184	13.556	3222416	24.429	300	ug/ml
Aliphatic C21-C28	13.557	17.223	4351444	35.042	400	ug/ml
Aliphatic C28-C40	17.224	22.099	33277971	288.294	600	ug/ml
Aliphatic EPH	3.094	22.099	42250380	358.121		ug/ml
ortho-Terphenyl (SURR)	11.846	11.846	5311940	32.69		ug/ml
1-chlorooctadecane (SURR)	13.291	13.291	4443124	37.48		ug/ml
Aliphatic C9-C28	3.094	17.223	8972409	69.828	1200	ug/ml