

Report of Analysis

Client:	PSEG	Date Collected:	03/05/25
Project:	Waldwick Substation	Date Received:	03/05/25
Client Sample ID:	ASPHALT-SOIL	SDG No.:	Q1494
Lab Sample ID:	Q1494-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.3
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
03/06/25 09:40	03/06/25 18:49	PB167013

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	52.2		5	9.64	10.7	mg/kg FE052667.D
Aliphatic C9-C28	Aliphatic C9-C28	35.5		1	1.84	4.28	mg/kg FE052666.D
Total AliphaticEPH	Total AliphaticEPH	87.7			11.5	15.0	mg/kg
Total EPH	Total EPH	87.7			11.5	15.0	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
FE052666.D	1	03/06/25	03/06/25	PB167013

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	35.5		1.84	4.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	55.5	E	1.93	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.3		40 - 140	44%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	21.9		40 - 140	44%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1494-03	Acq On:	06 Mar 2025 18:19
Client Sample ID:	ASPHALT-SOIL	Operator:	YP\AJ
Data file:	FE052666.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.798	687679	4.41	300	ug/ml
Aliphatic C12-C16	6.799	10.252	9110711	59.9	200	ug/ml
Aliphatic C16-C21	10.253	13.632	49829757	340.023	300	ug/ml
Aliphatic C21-C28	13.633	17.306	13747400	96.506	400	ug/ml
Aliphatic C28-C40	17.307	22.230	99224152	777.685	600	ug/ml
Aliphatic EPH	3.153	22.230	172599699	1280		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	3693784	21.91		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	2702031	22.25		ug/ml
Aliphatic C9-C28	3.153	17.306	73375547	500.839	1200	ug/ml