

Report of Analysis

Client:	PSEG	Date Collected:	12/04/24
Project:	Somerset Headquarters	Date Received:	12/04/24
Client Sample ID:	ASPHALT-COMP	SDG No.:	P5108
Lab Sample ID:	P5108-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	1.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
12/05/24 09:55	12/05/24 18:03	PB165385

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	671		1	50.9	56.6	mg/kg	FE051554.D
Aliphatic C9-C28	Aliphatic C9-C28	110	J	1	48.7	113	mg/kg	FE051554.D
Total AliphaticEPH	Total AliphaticEPH	781			99.6	170	mg/kg	
Total EPH	Total EPH	781			99.6	170	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

Report of Analysis

Client:	PSEG	Date Collected:	12/04/24
Project:	Somerset Headquarters	Date Received:	12/04/24
Client Sample ID:	ASPHALT-COMP	SDG No.:	P5108
Lab Sample ID:	P5108-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	1.06 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
FE051554.D	1	12/05/24	12/05/24	PB165385

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	110	J	48.7	113	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	671		50.9	56.6	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.9		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.4		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5108-01	Acq On:	05 Dec 2024 18:03
Client Sample ID:	ASPHALT-COMP	Operator:	YP\AJ
Data file:	FE051554.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	3.120	6.734	1760189	12.445	300	ug/ml
Aliphatic C12-C16	6.735	10.166	792489	5.631	200	ug/ml
Aliphatic C16-C21	10.167	13.525	759645	5.461	300	ug/ml
Aliphatic C21-C28	13.526	17.181	4515360	34.521	400	ug/ml
Aliphatic C28-C40	17.182	22.017	38122354	355.952	600	ug/ml
Aliphatic EPH	3.120	22.017	45950037	414.01		ug/ml
ortho-Terphenyl (SURR)	11.828	11.828	4595256	30.41		ug/ml
1-chlorooctadecane (SURR)	13.261	13.261	3670753	32.85		ug/ml
Aliphatic C9-C28	3.120	17.181	7827683	58.058	1200	ug/ml