

Report of Analysis

Client:	PSEG	Date Collected:	12/04/24
Project:	Somerset Headquarters	Date Received:	12/04/24
Client Sample ID:	ASPHALT-COMP-E2	SDG No.:	P5108
Lab Sample ID:	P5108-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	1.04 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	12/06/24 10:24	PB165385

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1440		2	103	115	mg/kg	FE051563.D
Aliphatic C9-C28	Aliphatic C9-C28	89.0	J	1	49.7	115	mg/kg	FE051555.D
Total AliphaticEPH	Total AliphaticEPH	1530			153	230	mg/kg	
Total EPH	Total EPH	1530			153	230	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-E2	SDG No.:	P5108
Lab Sample ID:	P5108-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	1.04 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
FE051555.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	89.0	J	49.7	115	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1260	E	51.9	57.7	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.0		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	34.1		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5108-02	Acq On:	05 Dec 2024 18:33
Client Sample ID:	ASPHALT-COMP-E2	Operator:	YP\AJ
Data file:	FE051555.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	3.120	6.734	1309495	9.259	300	ug/ml
Aliphatic C12-C16	6.735	10.166	609169	4.328	200	ug/ml
Aliphatic C16-C21	10.167	13.525	983959	7.074	300	ug/ml
Aliphatic C21-C28	13.526	17.181	3353181	25.636	400	ug/ml
Aliphatic C28-C40	17.182	22.017	70382500	657.168	600	ug/ml
Aliphatic EPH	3.120	22.017	76638304	703.465		ug/ml
ortho-Terphenyl (SURR)	11.828	11.828	5146740	34.06		ug/ml
1-chlorooctadecane (SURR)	13.261	13.261	4135035	37		ug/ml
Aliphatic C9-C28	3.120	17.181	6255804	46.297	1200	ug/ml