

Report of Analysis

Client:	PSEG	Date Collected:	07/10/25
Project:	Deans Switching Station	Date Received:	07/10/25
Client Sample ID:	500-3B CONCRETE CHIP-EPH	SDG No.:	Q2559
Lab Sample ID:	Q2559-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/11/25 09:20	07/11/25 15:18	PB168812

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.54		1	1.18	2.00	mg/kg	FE054811.D
Aliphatic C9-C28	Aliphatic C9-C28	650		20	18.2	80.0	mg/kg	FE054836.D
Total AliphaticEPH	Total AliphaticEPH	657			19.4	82.0	mg/kg	
Total EPH	Total EPH	657			19.4	82.0	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE054811.D	1	07/11/25	07/11/25	PB168812

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	562	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	6.54		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	45.2		40 - 140	90%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	47.4		40 - 140	95%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2559-02	Acq On:	11 Jul 2025 15:18
Client Sample ID:	500-3B CONCRETE CHIP	Operator:	YP\AJ
Data file:	FE054811.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.321	6.954	690614	5.076	300	ug/ml
Aliphatic C12-C16	6.955	10.407	101509270	722.136	200	ug/ml
Aliphatic C16-C21	10.408	13.785	842094899	5830	300	ug/ml
Aliphatic C21-C28	13.786	17.455	274176612	1900	400	ug/ml
Aliphatic C28-C40	17.456	22.481	13598206	98.078	600	ug/ml
Aliphatic EPH	3.321	22.481	1232069601	8550		ug/ml
ortho-Terphenyl (SURR)	12.094	12.094	7701113	47.42		ug/ml
1-chlorooctadecane (SURR)	13.532	13.532	5705615	45.18		ug/ml
Aliphatic C9-C28	3.321	17.455	1218471395	8450	1200	ug/ml