284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	08/25/25
Project:	MT Laurel Row Bridge	Date Received:	08/25/25
Client Sample ID:	BRIDGE-SOUTH-C	SDG No.:	Q2954
Lab Sample ID:	Q2954-09	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	74.5
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/26/25 09:10	08/26/25 18:59	PB169395

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.22		1	1.58	2.68	mg/kg	FE055515.D
Aliphatic C9-C28	Aliphatic C9-C28	3.82	J	1	1.22	5.36	mg/kg	FE055515.D
Total AliphaticEPH	Total AliphaticEPH	13.0			2.80	8.04	mg/kg	
Total EPH	Total EPH	13.0			2.80	8.04	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
FE055515.D	1	08/26/25	08/26/25	PB169395

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		3.82	J	1.22	5.36	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		9.22		1.58	2.68	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		51.3		40 - 140	103%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		48.9		40 - 140	98%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2954-09	Acq On:	26 Aug 2025 18:59
Client Sample ID:	BRIDGE-SOUTH-C	Operator:	YP\AJ
Data file:	FE055515.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.317	6.953	723259	6.193	300	ug/ml
Aliphatic C12-C16	6.954	10.407	1178523	9.411	200	ug/ml
Aliphatic C16-C21	10.408	13.786	1462277	11.568	300	ug/ml
Aliphatic C21-C28	13.787	17.459	1883366	15.629	400	ug/ml
Aliphatic C28-C40	17.460	22.479	11756593	103.14	600	ug/ml
Aliphatic EPH	3.317	22.479	17004018	145.941		ug/ml
ortho-Terphenyl (SURR)	12.082	12.082	6978619	48.87		ug/ml
1-chlorooctadecane (SURR)	13.518	13.518	5519831	51.34		ug/ml
Aliphatic C9-C28	3.317	17.459	5247425	42.801	1200	ug/ml