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

Report of Analysis

Client:	PSEG	Date Collected:	06/11/25
Project:	PSEG Onyx to STL poles	Date Received:	06/11/25
Client Sample ID:	WC-5-EPH	SDG No.:	Q2296
Lab Sample ID:	Q2296-18	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/12/25 08:55	06/13/25 10:48	PB168438

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.84	J	1	1.35	2.29	mg/kg	FE054375.D
Aliphatic C9-C28	Aliphatic C9-C28	1.72	J	1	1.04	4.59	mg/kg	FE054375.D
Total AliphaticEPH	Total AliphaticEPH	3.56	J		2.39	6.88	mg/kg	
Total EPH	Total EPH	3.56	J		2.39	6.88	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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Analytical Method:	NJEPH	% Solid:	87.1
Sample Wt/Vol:	30.07 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
FE054375.D	1	06/12/25	06/13/25	PB168438

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.72	J	1.04	4.59	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.84	J	1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	30.8		40 - 140	62%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2296-18	Acq On:	13 Jun 2025 10:48
Client Sample ID:	WC-5-EPH	Operator:	YP\AJ
Data file:	FE054375.D	Misc:	
Instrument:	FID_E	ALS Vial:	44
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.073	6.718	1694700	13.53	300	ug/ml
Aliphatic C12-C16	6.719	10.163	549170	4.187	200	ug/ml
Aliphatic C16-C21	10.164	13.535	644541	4.813	300	ug/ml
Aliphatic C21-C28	13.536	17.200	884890	6.964	400	ug/ml
Aliphatic C28-C40	17.201	22.059	3085176	24.057	600	ug/ml
Aliphatic EPH	3.073	22.059	6858477	53.551		ug/ml
ortho-Terphenyl (SURR)	11.823	11.823	4601920	27.85		ug/ml
1-chlorooctadecane (SURR)	13.268	13.268	3761217	30.84		ug/ml
Aliphatic C9-C28	3.073	17.200	3773301	29.494	1200	ug/ml