

Report of Analysis

Client:	PSEG	Date Collected:	12/04/25
Project:	PSEG Nicholson Rd Substation	Date Received:	12/04/25
Client Sample ID:	OILY STONE DRUM	SDG No.:	Q3779
Lab Sample ID:	Q3779-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.04 g	Test:	EPH_NF
Prep Method :	Final Vol: 2000 uL Prep Date : 12/05/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
TARGETS										
Aliphatic C28-C40	Aliphatic C28-C40	276		10	11.8	20.0	mg/kg	FE057213.D	12/08/25 10:04	PB170837
Aliphatic C9-C28	Aliphatic C9-C28	190		10	9.09	39.9	mg/kg	FE057213.D	12/08/25 10:04	PB170837
Total AliphaticEPH	Total AliphaticEPH	466			20.9	59.9	mg/kg			
Total EPH	Total EPH	466			20.9	59.9	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 Date	12/05/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
Aliphatic C9-C28	Aliphatic C9-C28	168	E	1	0.91	3.99	mg/kg	12/05/25	PB170837
Aliphatic C28-C40	Aliphatic C28-C40	232	E	1	1.18	2.00	mg/kg	12/05/25	PB170837
SURROGATES									
3383-33-2	1-chlorooctadecane (SURR)	27.6			40 - 140	55%	SPK: 50		
84-15-1	ortho-Terphenyl (SURR)	32.7			40 - 140	65%	SPK: 50		

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3779-01	Acq On:	05 Dec 2025 19:07
Client Sample ID:	OILY STONE DRUM	Operator:	YP\AJ
Data file:	FE057201.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.193	6.818	755896	3.767	300	ug/ml
Aliphatic C12-C16	6.819	10.264	1541664	7.588	200	ug/ml
Aliphatic C16-C21	10.265	13.638	8224769	41.473	300	ug/ml
Aliphatic C21-C28	13.639	17.307	490626481	2470	400	ug/ml
Aliphatic C28-C40	17.308	22.236	698338204	3490	600	ug/ml
Aliphatic EPH	3.193	22.236	1199487014	6010		ug/ml
ortho-Terphenyl (SURR)	11.933	11.933	7169495	32.67		ug/ml
1-chlorooctadecane (SURR)	13.371	13.371	4594697	27.61		ug/ml
Aliphatic C9-C28	3.193	17.307	501148810	2520	1200	ug/ml