

Report of Analysis

Client:	PSEG	Date Collected:	08/04/25
Project:	Lakeside Sub Demo	Date Received:	08/04/25
Client Sample ID:	SOLID-DRUM	SDG No.:	Q2759
Lab Sample ID:	Q2759-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	42.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
08/05/25 09:20	08/06/25 7:56	PB169120

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	138		2	5.55	9.42	mg/kg FE055145.D
Aliphatic C9-C28	Aliphatic C9-C28	138		1	2.15	9.41	mg/kg FE055135.D
Total AliphaticEPH	Total AliphaticEPH	276			7.70	18.8	mg/kg
Total EPH	Total EPH	276			7.70	18.8	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055135.D	1	08/05/25	08/05/25	PB169120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	138		2.15	9.41	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	131	E	2.78	4.71	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.8		40 - 140	72%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2759-01	Acq On:	05 Aug 2025 17:25
Client Sample ID:	SOLID-DRUMS	Operator:	YP\AJ
Data file:	FE055135.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.325	6.958	8067592	69.082	300	ug/ml
Aliphatic C12-C16	6.959	10.410	10297786	82.233	200	ug/ml
Aliphatic C16-C21	10.411	13.789	50918051	402.817	300	ug/ml
Aliphatic C21-C28	13.790	17.459	39457609	327.433	400	ug/ml
Aliphatic C28-C40	17.460	22.481	95883861	841.181	600	ug/ml
Aliphatic EPH	3.325	22.481	204624899	1720		ug/ml
ortho-Terphenyl (SURR)	12.086	12.086	5105282	35.75		ug/ml
1-chlorooctadecane (SURR)	13.524	13.524	3985186	37.06		ug/ml
Aliphatic C9-C28	3.325	17.459	108741038	881.565	1200	ug/ml