

Report of Analysis

Client:	PSEG	Date Collected:	03/05/25
Project:	Clay St Substation	Date Received:	03/05/25
Client Sample ID:	CLAY-SLUDGE-DRUMS	SDG No.:	Q1490
Lab Sample ID:	Q1490-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	73.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/06/25 09:40	03/06/25 15:18	PB167013

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	14.2		1	2.43	2.70	mg/kg	FE052660.D
Aliphatic C9-C28	Aliphatic C9-C28	110		10	23.3	54.0	mg/kg	FE052668.D
Total AliphaticEPH	Total AliphaticEPH	124			25.7	56.7	mg/kg	
Total EPH	Total EPH	124			25.7	56.7	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
FE052660.D	1	03/06/25	03/06/25	PB167013

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	115	E	2.33	5.40	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	14.2		2.43	2.70	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.1		40 - 140	74%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	36.4		40 - 140	73%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1490-01	Acq On:	06 Mar 2025 15:18
Client Sample ID:	CLAY-SLUDGE-DRUMS	Operator:	YP\AJ
Data file:	FE052660.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.153	6.798	1246427	7.993	300	ug/ml
Aliphatic C12-C16	6.799	10.252	64276213	422.596	200	ug/ml
Aliphatic C16-C21	10.253	13.632	99232811	677.135	300	ug/ml
Aliphatic C21-C28	13.633	17.306	23157801	162.566	400	ug/ml
Aliphatic C28-C40	17.307	22.230	20147745	157.911	600	ug/ml
Aliphatic EPH	3.153	22.230	208060997	1430		ug/ml
ortho-Terphenyl (SURR)	11.916	11.916	6137715	36.41		ug/ml
1-chlorooctadecane (SURR)	13.360	13.360	4499458	37.06		ug/ml
Aliphatic C9-C28	3.153	17.306	187913252	1270	1200	ug/ml