

Report of Analysis

Client:	PSEG	Date Collected:	01/23/25
Project:	Brooklawn M&R	Date Received:	01/23/25
Client Sample ID:	SPILL-SITE	SDG No.:	Q1169
Lab Sample ID:	Q1169-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
01/24/25 08:59	01/24/25 16:39	PB166217

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	3.74		1	2.00	2.23	mg/kg	FC068116.D
Aliphatic C9-C28	Aliphatic C9-C28	3.08	J	1	1.91	4.44	mg/kg	FC068116.D
Total AliphaticEPH	Total AliphaticEPH	6.82			3.91	6.67	mg/kg	
Total EPH	Total EPH	6.82			3.91	6.67	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
FC068116.D	1	01/24/25	01/24/25	PB166217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	3.08	J	1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	3.74		2.00	2.23	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	37.4		40 - 140	75%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	35.5		40 - 140	71%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1169-05	Acq On:	24 Jan 2025 16:39
Client Sample ID:	SPILL-SITE	Operator:	YP/AJ
Data file:	FC068116.D	Misc:	
Instrument:	FID_C	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.399	876195	6.327	300	ug/ml
Aliphatic C12-C16	6.400	9.782	991103	7.197	200	ug/ml
Aliphatic C16-C21	9.783	13.135	1343794	9.953	300	ug/ml
Aliphatic C21-C28	13.136	16.786	2299167	18.074	400	ug/ml
Aliphatic C28-C40	16.787	21.595	5224579	50.411	600	ug/ml
Aliphatic EPH	3.133	21.595	10734838	91.962		ug/ml
ortho-Terphenyl (SURR)	11.428	11.428	5549959	35.52		ug/ml
1-chlorooctadecane (SURR)	12.867	12.867	4303596	37.42		ug/ml
Aliphatic C9-C28	3.133	16.786	5510259	41.551	1200	ug/ml