

Report of Analysis

Client:	PSEG	Date Collected:	04/14/25
Project:	Lawrenceville HQ	Date Received:	04/14/25
Client Sample ID:	OILY-SOIL-PILE	SDG No.:	Q1808
Lab Sample ID:	Q1808-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.1
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/15/25 09:03	04/15/25 16:42	PB167597

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1	1.37	2.32	mg/kg	FE053374.D
Aliphatic C9-C28	Aliphatic C9-C28	14.1		1	1.06	4.64	mg/kg	FE053374.D
Total AliphaticEPH	Total AliphaticEPH	40.6			2.43	6.96	mg/kg	
Total EPH	Total EPH	40.6			2.43	6.96	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
FE053374.D	1	04/15/25	04/15/25	PB167597

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	14.1		1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.5		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	44.0		40 - 140	88%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.2		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1808-01	Acq On:	15 Apr 2025 16:42
Client Sample ID:	OILY-SOIL-PILE	Operator:	YP\AJ
Data file:	FE053374.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	3.136	6.780	1319810	8.459	300	ug/ml
Aliphatic C12-C16	6.781	10.233	2476843	16.122	200	ug/ml
Aliphatic C16-C21	10.234	13.612	8298128	57.491	300	ug/ml
Aliphatic C21-C28	13.613	17.286	13392032	99.682	400	ug/ml
Aliphatic C28-C40	17.287	22.197	42586906	342.734	600	ug/ml
Aliphatic EPH	3.136	22.197	68073719	524.487		ug/ml
ortho-Terphenyl (SURR)	11.895	11.895	6541284	40.16		ug/ml
1-chlorooctadecane (SURR)	13.341	13.341	5277625	43.96		ug/ml
Aliphatic C9-C28	3.136	17.286	25486813	181.754	1200	ug/ml