

Report of Analysis

Client:	PSEG	Date Collected:	09/23/25
Project:	Moorestown	Date Received:	09/23/25
Client Sample ID:	ARS20-0010-Oily Soil-Sludge	SDG No.:	Q3168
Lab Sample ID:	Q3168-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	63.6
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
09/24/25 10:05	09/24/25 19:03	PB169809

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	28.0		1	1.85	3.14	mg/kg	FE055979.D
Aliphatic C9-C28	Aliphatic C9-C28	326		10	14.3	62.8	mg/kg	FE055991.D
Total AliphaticEPH	Total AliphaticEPH	354			16.1	65.9	mg/kg	
Total EPH	Total EPH	354			16.1	65.9	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 Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055979.D	1	09/24/25	09/24/25	PB169809

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	329	E	1.43	6.28	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.0		1.85	3.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.5		40 - 140	53%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3168-03	Acq On:	24 Sep 2025 19:03
Client Sample ID:	ARS20-0010-Oily Soil-Sluc	Operator:	YP\AJ
Data file:	FE055979.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.943	1297351	9.265	300	ug/ml
Aliphatic C12-C16	6.944	10.395	33872669	220.847	200	ug/ml
Aliphatic C16-C21	10.396	13.774	334472211	2020	300	ug/ml
Aliphatic C21-C28	13.775	17.445	134795062	907.545	400	ug/ml
Aliphatic C28-C40	17.446	22.457	36497339	267.867	600	ug/ml
Aliphatic EPH	3.311	22.457	540934632	3420		ug/ml
ortho-Terphenyl (SURR)	12.075	12.075	4967613	26.47		ug/ml
1-chlorooctadecane (SURR)	13.513	13.513	3929243	28.15		ug/ml
Aliphatic C9-C28	3.311	17.445	504437293	3150	1200	ug/ml