

Report of Analysis

Client:	PSEG	Date Collected:	06/04/25
Project:	PSEG East Edison Test Pits	Date Received:	06/04/25
Client Sample ID:	TP08-MHI-WC	SDG No.:	Q2228
Lab Sample ID:	Q2228-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	82.9
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
06/06/25 10:00	06/07/25 0:18	PB168322

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	4.51		1	1.42	2.41	mg/kg	FC069124.D
Aliphatic C9-C28	Aliphatic C9-C28	2.92	J	1	1.10	4.83	mg/kg	FC069124.D
Total AliphaticEPH	Total AliphaticEPH	7.43			2.52	7.24	mg/kg	
Total EPH	Total EPH	7.43			2.52	7.24	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
FC069124.D	1	06/06/25	06/07/25	PB168322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	2.92	J	1.10	4.83	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	4.51		1.42	2.41	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	52.8		40 - 140	106%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	46.8		40 - 140	94%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2228-01	Acq On:	07 Jun 2025 00:18
Client Sample ID:	TP08-MHI-WC	Operator:	YP/AJ
Data file:	FC069124.D	Misc:	
Instrument:	FID_C	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic EPH	3.303	22.037	8835847	92.36		ug/ml
ortho-Terphenyl (SURR)	11.680	11.680	5777222	46.84		ug/ml
1-chlorooctadecane (SURR)	13.117	13.117	4737714	52.81		ug/ml
Aliphatic C9-C12	3.303	6.603	391589	3.704	300	ug/ml
Aliphatic C12-C16	6.604	10.008	581109	5.698	200	ug/ml
Aliphatic C16-C21	10.009	13.379	1102498	11.265	300	ug/ml
Aliphatic C21-C28	13.380	17.049	1466486	15.634	400	ug/ml
Aliphatic C28-C40	17.050	22.037	5294165	56.059	600	ug/ml
Aliphatic C9-C28	3.303	17.049	3541682	36.301	1200	ug/ml