284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG			Date Collected:	
Project:	Pennsauken M&R			Date Received:	
Client Sample ID:	12/9B-COMPMSD			SDG No.:	Q3091
Lab Sample ID:	Q3091-08MSD			Matrix:	Solid
Analytical Method:	NJEPH			% Solid:	93.1
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	2000 uL
Soil Aliquot Vol:			uL	Test:	EPH_NF
Prep Method :					

Prep Date :	Date Analyzed :	Prep Batch ID
09/15/25 08:30	09/15/25 19:39	PB169683

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Total AliphaticEPH	Total AliphaticEPH	159			2.25	6.43	mg/kg
Total EPH	Total EPH	159			2.25	6.43	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 :							

Prep Date :	Date Analyzed :	Prep Batch ID
09/15/25 08:00	09/15/25 19:39	PB169683

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	43.9	E	1	1.27	2.15	mg/kg	FE055837.D
Aliphatic C9-C28	Aliphatic C9-C28	115	E	1	0.98	4.29	mg/kg	FE055837.D
Total AliphaticEPH	Total AliphaticEPH	159			2.25	6.43	mg/kg	
Total EPH	Total EPH	159			2.25	6.43	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.

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Client:	PSEG		Date Collected:		
Project:	Pennsauken M&R		Date Received:		
Client Sample ID:	12/9B-COMPMSD		SDG No.:	Q3091	
Lab Sample ID:	Q3091-08MSD		Matrix:	Solid	
Analytical Method:	NJEPH		% Solid:	93.1	
Sample Wt/Vol:	30.03 Units:	g	Final Vol:	2000	uL
Soil Aliquot Vol:		uL	Test:	EPH_NF	
Prep Method :					

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055837.D	1	09/15/25	09/15/25	PB169683

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	115	E	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	43.9	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	43.4		40 - 140	87%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.5		40 - 140	81%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3091-08MSD	Acq On:	15 Sep 2025 19:39
Client Sample ID:	Q3091-08MSD	Operator:	YP\AJ
Data file:	FE055837.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.312	6.945	30625009	238.505	300	ug/ml
Aliphatic C12-C16	6.946	10.397	57710663	427.185	200	ug/ml
Aliphatic C16-C21	10.398	13.775	59351967	411.546	300	ug/ml
Aliphatic C21-C28	13.776	17.446	75020829	523.758	400	ug/ml
Aliphatic C28-C40	17.447	22.458	84552201	613.944	600	ug/ml
Aliphatic EPH	3.312	22.458	307260669	2210		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	6657349	40.52		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	5432444	43.44		ug/ml
Aliphatic C9-C28	3.312	17.446	222708468	1600	1200	ug/ml