

Report of Analysis

Client:	PSEG	Date Collected:	05/15/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	05/15/25
Client Sample ID:	OR-02-051525	SDG No.:	Q2055
Lab Sample ID:	Q2055-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/16/25 08:53	05/16/25 19:10	PB168035

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	28.5		1	1.32	2.24	mg/kg	FE053883.D
Aliphatic C9-C28	Aliphatic C9-C28	11.4		1	1.02	4.48	mg/kg	FE053883.D
Total AliphaticEPH	Total AliphaticEPH	39.9			2.34	6.72	mg/kg	
Total EPH	Total EPH	39.9			2.34	6.72	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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Analytical Method:	NJEPH	% Solid:	89.1
Sample Wt/Vol:	30.09 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
FE053883.D	1	05/16/25	05/16/25	PB168035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.4		1.02	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	28.5		1.32	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.1		40 - 140	70%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2055-01	Acq On:	16 May 2025 19:10
Client Sample ID:	OR-02-051525	Operator:	YP\AJ
Data file:	FE053883.D	Misc:	
Instrument:	FID_E	ALS Vial:	20
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.099	6.740	230842	1.703	300	ug/ml
Aliphatic C12-C16	6.741	10.188	1932577	14.322	200	ug/ml
Aliphatic C16-C21	10.189	13.562	8754059	66.363	300	ug/ml
Aliphatic C21-C28	13.563	17.231	8954416	72.11	400	ug/ml
Aliphatic C28-C40	17.232	22.111	44171671	382.668	600	ug/ml
Aliphatic EPH	3.099	22.111	64043565	537.166		ug/ml
ortho-Terphenyl (SURR)	11.849	11.849	4924340	30.3		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	4156585	35.06		ug/ml
Aliphatic C9-C28	3.099	17.231	19871894	154.498	1200	ug/ml