

Report of Analysis

Client:	PSEG	Date Collected:	06/02/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	06/02/25
Client Sample ID:	OR-03-06022025	SDG No.:	Q2182
Lab Sample ID:	Q2182-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
06/04/25 11:45	06/04/25 15:52	PB168287

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	34.2		1	1.29	2.19	mg/kg	FE054171.D
Aliphatic C9-C28	Aliphatic C9-C28	12.8		1	1.00	4.39	mg/kg	FE054171.D
Total AliphaticEPH	Total AliphaticEPH	47.0			2.29	6.58	mg/kg	
Total EPH	Total EPH	47.0			2.29	6.58	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
FE054171.D	1	06/04/25	06/04/25	PB168287

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	12.8		1.00	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.2		1.29	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.9		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.3		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2182-01	Acq On:	04 Jun 2025 15:52
Client Sample ID:	OR-03-06022025	Operator:	YP\AJ
Data file:	FE054171.D	Misc:	
Instrument:	FID_E	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.084	6.728	352599	2.601	300	ug/ml
Aliphatic C12-C16	6.729	10.176	3065551	22.718	200	ug/ml
Aliphatic C16-C21	10.177	13.550	9629760	73.002	300	ug/ml
Aliphatic C21-C28	13.551	17.217	9447700	76.083	400	ug/ml
Aliphatic C28-C40	17.218	22.089	53962723	467.49	600	ug/ml
Aliphatic EPH	3.084	22.089	76458333	641.893		ug/ml
ortho-Terphenyl (SURR)	11.841	11.841	4930892	30.34		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	4252522	35.87		ug/ml
Aliphatic C9-C28	3.084	17.217	22495610	174.404	1200	ug/ml