

Report of Analysis

Client:	PSEG	Date Collected:	02/18/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	02/18/25
Client Sample ID:	OR-03-021823025	SDG No.:	Q1384
Lab Sample ID:	Q1384-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.6
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/19/25 08:55	02/20/25 9:09	PB166773

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	70.3		5	10.1	11.3	mg/kg	FE052418.D
Aliphatic C9-C28	Aliphatic C9-C28	32.6		1	1.94	4.51	mg/kg	FE052404.D
Total AliphaticEPH	Total AliphaticEPH	103			12.0	15.8	mg/kg	
Total EPH	Total EPH	103			12.0	15.8	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052404.D	1	02/19/25	02/19/25	PB166773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	32.6		1.94	4.51	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.1	E	2.03	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.6		40 - 140	77%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1384-01	Acq On:	19 Feb 2025 14:32
Client Sample ID:	OR-03-021823025	Operator:	YP\AJ
Data file:	FE052404.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.796	4573780	29.349	300	ug/ml
Aliphatic C12-C16	6.797	10.248	11358560	70.78	200	ug/ml
Aliphatic C16-C21	10.249	13.628	30756893	191.61	300	ug/ml
Aliphatic C21-C28	13.629	17.300	22176788	142.704	400	ug/ml
Aliphatic C28-C40	17.301	22.222	125756468	960.085	600	ug/ml
Aliphatic EPH	3.152	22.222	194622489	1390		ug/ml
ortho-Terphenyl (SURR)	11.914	11.914	4970303	26.59		ug/ml
1-chlorooctadecane (SURR)	13.361	13.361	5366822	38.61		ug/ml
Aliphatic C9-C28	3.152	17.300	68866021	434.443	1200	ug/ml