

Report of Analysis

Client:	PSEG	Date Collected:	02/26/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	02/26/25
Client Sample ID:	OR-02-022625	SDG No.:	Q1440
Lab Sample ID:	Q1440-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.8
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/27/25 08:40	02/28/25 8:10	PB166886

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	70.9		5	10.0	11.1	mg/kg FE052553.D
Aliphatic C9-C28	Aliphatic C9-C28	17.0		1	1.91	4.44	mg/kg FE052533.D
Total AliphaticEPH	Total AliphaticEPH	87.9			11.9	15.5	mg/kg
Total EPH	Total EPH	87.9			11.9	15.5	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
FE052533.D	1	02/27/25	02/27/25	PB166886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	17.0		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	67.3	E	2.00	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	31.6		40 - 140	63%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1440-01	Acq On:	27 Feb 2025 14:21
Client Sample ID:	OR-02-022625	Operator:	YP\AJ
Data file:	FE052533.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	3.155	6.799	1221302	7.837	300	ug/ml
Aliphatic C12-C16	6.800	10.251	5177040	32.261	200	ug/ml
Aliphatic C16-C21	10.252	13.629	14313018	89.168	300	ug/ml
Aliphatic C21-C28	13.630	17.301	15471826	99.559	400	ug/ml
Aliphatic C28-C40	17.302	22.224	118995540	908.469	600	ug/ml
Aliphatic EPH	3.155	22.224	155178726	1140		ug/ml
ortho-Terphenyl (SURR)	11.920	11.920	5899059	31.56		ug/ml
1-chlorooctadecane (SURR)	13.366	13.366	4913240	35.35		ug/ml
Aliphatic C9-C28	3.155	17.301	36183186	228.825	1200	ug/ml