

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-E2	SDG No.:	Q1440
Lab Sample ID:	Q1440-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
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
02/27/25 08:40	02/28/25 8:40	PB166886

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	78.4		5	10.1	11.2	mg/kg FE052554.D
Aliphatic C9-C28	Aliphatic C9-C28	14.3		1	1.93	4.48	mg/kg FE052534.D
Total AliphaticEPH	Total AliphaticEPH	92.7			12.0	15.7	mg/kg
Total EPH	Total EPH	92.7			12.0	15.7	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
FE052534.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	14.3		1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	77.2	E	2.01	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	25.9		40 - 140	52%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.6		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1440-02	Acq On:	27 Feb 2025 14:51
Client Sample ID:	OR-02-022625-E2	Operator:	YP\AJ
Data file:	FE052534.D	Misc:	
Instrument:	FID_E	ALS Vial:	15
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.155	6.799	937827	6.018	300	ug/ml
Aliphatic C12-C16	6.800	10.251	3645858	22.719	200	ug/ml
Aliphatic C16-C21	10.252	13.629	15312432	95.394	300	ug/ml
Aliphatic C21-C28	13.630	17.301	10411029	66.993	400	ug/ml
Aliphatic C28-C40	17.302	22.224	135442745	1030	600	ug/ml
Aliphatic EPH	3.155	22.224	165749891	1230		ug/ml
ortho-Terphenyl (SURR)	11.917	11.917	4218971	22.57		ug/ml
1-chlorooctadecane (SURR)	13.362	13.362	3600673	25.9		ug/ml
Aliphatic C9-C28	3.155	17.301	30307146	191.124	1200	ug/ml