

Report of Analysis

Client:	PSEG	Date Collected:	01/15/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	01/15/25
Client Sample ID:	OR-02-01152025-E2	SDG No.:	Q1099
Lab Sample ID:	Q1099-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.5
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
01/16/25 09:24	01/17/25 11:17	PB166075

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	104		5	9.61	10.7	mg/kg FG015113.D
Aliphatic C9-C28	Aliphatic C9-C28	33.1		1	1.84	4.27	mg/kg FG015100.D
Total AliphaticEPH	Total AliphaticEPH	137			11.4	15.0	mg/kg
Total EPH	Total EPH	137			11.4	15.0	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FG015100.D	1	01/16/25	01/16/25	PB166075

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	33.1		1.84	4.27	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	95.8	E	1.92	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.2		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1099-02	Acq On:	16 Jan 2025 19:14
Client Sample ID:	OR-02-01152025-E2	Operator:	YP\AJ
Data file:	FG015100.D	Misc:	
Instrument:	FID_G	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.184	6.824	1293244	9.732	300	ug/ml
Aliphatic C12-C16	6.825	10.276	6448855	45.669	200	ug/ml
Aliphatic C16-C21	10.277	13.654	29639782	205.093	300	ug/ml
Aliphatic C21-C28	13.655	17.329	28007000	204.868	400	ug/ml
Aliphatic C28-C40	17.330	22.271	142088081	1350	600	ug/ml
Aliphatic EPH	3.184	22.271	207476962	1810		ug/ml
ortho-Terphenyl (SURR)	11.946	11.946	4155319	26.58		ug/ml
1-chlorooctadecane (SURR)	13.392	13.392	4041277	33.19		ug/ml
Aliphatic C9-C28	3.184	17.329	65388881	465.362	1200	ug/ml