

Report of Analysis

Client:	PSEG	Date Collected:	07/23/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	07/23/25
Client Sample ID:	OR-03-07232025-E2	SDG No.:	Q2689
Lab Sample ID:	Q2689-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	92.8
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
07/25/25 08:15	07/28/25 13:08	PB169002

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	51.6		2	2.54	4.31	mg/kg	FC069544.D
Aliphatic C9-C28	Aliphatic C9-C28	23.4		1	0.98	4.32	mg/kg	FC069538.D
Total AliphaticEPH	Total AliphaticEPH	75.0			3.52	8.63	mg/kg	
Total EPH	Total EPH	75.0			3.52	8.63	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
FC069538.D	1	07/25/25	07/25/25	PB169002

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	23.4		0.98	4.32	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	52.2	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.1		40 - 140	66%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.3		40 - 140	55%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2689-02	Acq On:	25 Jul 2025 17:58
Client Sample ID:	OR-03-07232025-E2	Operator:	YP/AJ
Data file:	FC069538.D	Misc:	
Instrument:	FID_C	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.600	585947	4.215	300	ug/ml
Aliphatic C12-C16	6.601	10.004	2850937	19.788	200	ug/ml
Aliphatic C16-C21	10.005	13.374	13961817	102.663	300	ug/ml
Aliphatic C21-C28	13.375	17.040	23650195	198.759	400	ug/ml
Aliphatic C28-C40	17.041	22.024	65293337	726.425	600	ug/ml
Aliphatic EPH	3.303	22.024	106342233	1050		ug/ml
ortho-Terphenyl (SURR)	11.676	11.676	4054089	27.32		ug/ml
1-chlorooctadecane (SURR)	13.113	13.113	3738145	33.08		ug/ml
Aliphatic C9-C28	3.303	17.040	41048896	325.425	1200	ug/ml