

Report of Analysis

Client:	PSEG	Date Collected:	08/20/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	08/20/25
Client Sample ID:	OR-02-082025	SDG No.:	Q2917
Lab Sample ID:	Q2917-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	95
Sample Wt/Vol:	30.09 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
08/21/25 11:20	08/22/25 9:41	PB169342

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	57.9		5	6.19	10.5	mg/kg FE055452.D
Aliphatic C9-C28	Aliphatic C9-C28	18.0		1	0.95	4.20	mg/kg FE055440.D
Total AliphaticEPH	Total AliphaticEPH	75.9			7.14	14.7	mg/kg
Total EPH	Total EPH	75.9			7.14	14.7	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE055440.D	1	08/21/25	08/21/25	PB169342

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	18.0		0.95	4.20	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	51.7	E	1.24	2.10	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	38.8		40 - 140	78%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.9		40 - 140	68%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q2917-01	Acq On:	21 Aug 2025 21:49
Client Sample ID:	OR-02-082025	Operator:	YP\AJ
Data file:	FE055440.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.319	6.954	626477	5.364	300	ug/ml
Aliphatic C12-C16	6.955	10.407	2972392	23.736	200	ug/ml
Aliphatic C16-C21	10.408	13.787	11072878	87.598	300	ug/ml
Aliphatic C21-C28	13.788	17.460	16943564	140.604	400	ug/ml
Aliphatic C28-C40	17.461	22.485	84208561	738.755	600	ug/ml
Aliphatic EPH	3.319	22.485	115823872	996.057		ug/ml
ortho-Terphenyl (SURR)	12.083	12.083	4844552	33.92		ug/ml
1-chlorooctadecane (SURR)	13.520	13.520	4174880	38.83		ug/ml
Aliphatic C9-C28	3.319	17.460	31615311	257.302	1200	ug/ml