

Report of Analysis

Client:	PSEG	Date Collected:	09/09/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	09/09/25
Client Sample ID:	OR-03-090925	SDG No.:	Q3055
Lab Sample ID:	Q3055-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/10/25 09:50	09/11/25 8:34	PB169635

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	44.5		2	2.58	4.37	mg/kg	FE055766.D
Aliphatic C9-C28	Aliphatic C9-C28	21.5		1	0.99	4.37	mg/kg	FE055755.D
Total AliphaticEPH	Total AliphaticEPH	66.0			3.57	8.74	mg/kg	
Total EPH	Total EPH	66.0			3.57	8.74	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
FE055755.D	1	09/10/25	09/10/25	PB169635

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	21.5		0.99	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	46.0	E	1.29	2.18	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.5		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	37.9		40 - 140	76%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3055-01	Acq On:	10 Sep 2025 20:16
Client Sample ID:	OR-03-090925	Operator:	YP\AJ
Data file:	FE055755.D	Misc:	
Instrument:	FID_E	ALS Vial:	23
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.314	6.947	847045	6.597	300	ug/ml
Aliphatic C12-C16	6.948	10.400	3929021	29.083	200	ug/ml
Aliphatic C16-C21	10.401	13.779	17748882	123.07	300	ug/ml
Aliphatic C21-C28	13.780	17.450	19502527	136.157	400	ug/ml
Aliphatic C28-C40	17.451	22.463	87077979	632.284	600	ug/ml
Aliphatic EPH	3.314	22.463	129105454	927.192		ug/ml
ortho-Terphenyl (SURR)	12.076	12.076	6222718	37.88		ug/ml
1-chlorooctadecane (SURR)	13.512	13.512	5318900	42.54		ug/ml
Aliphatic C9-C28	3.314	17.450	42027475	294.907	1200	ug/ml