

Report of Analysis

Client:	PSEG	Date Collected:	09/26/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	09/26/25
Client Sample ID:	OR-03-092625-E2	SDG No.:	Q3220
Lab Sample ID:	Q3220-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.1
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
09/29/25 09:50	09/30/25 0:01	PB169891

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	41.2		1	1.34	2.26	mg/kg	FE056061.D
Aliphatic C9-C28	Aliphatic C9-C28	11.3		1	1.03	4.53	mg/kg	FE056061.D
Total AliphaticEPH	Total AliphaticEPH	52.5			2.37	6.79	mg/kg	
Total EPH	Total EPH	52.5			2.37	6.79	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
FE056061.D	1	09/29/25	09/30/25	PB169891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	11.3		1.03	4.53	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	41.2		1.34	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	29.3		40 - 140	59%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.3		40 - 140	53%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3220-02	Acq On:	30 Sep 2025 00:01
Client Sample ID:	OR-03-092625-E2	Operator:	YP\AJ
Data file:	FE056061.D	Misc:	
Instrument:	FID_E	ALS Vial:	32
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.315	6.946	528415	3.774	300	ug/ml
Aliphatic C12-C16	6.947	10.396	2380408	15.52	200	ug/ml
Aliphatic C16-C21	10.397	13.773	8168512	49.244	300	ug/ml
Aliphatic C21-C28	13.774	17.443	12120937	81.608	400	ug/ml
Aliphatic C28-C40	17.444	22.449	74415579	546.162	600	ug/ml
Aliphatic EPH	3.315	22.449	97613851	696.306		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	4929500	26.27		ug/ml
1-chlorooctadecane (SURR)	13.509	13.509	4090043	29.31		ug/ml
Aliphatic C9-C28	3.315	17.443	23198272	150.146	1200	ug/ml