

Report of Analysis

Client:	PSEG	Date Collected:	
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	
Client Sample ID:	OR-02-100925MSD	SDG No.:	Q3322
Lab Sample ID:	Q3322-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.05 g	Final Vol:	2000uL
Prep Method :		Test:	EPH_NF
		Prep Date :	10/13/25

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Datafile	Date Ana.	Prep BatchID
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TARGETS

Total AliphaticEPH	Total AliphaticEPH	214			2.25	6.44	mg/kg			
Total EPH	Total EPH	214			2.25	6.44	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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Lab Sample ID:	Q3322-01MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056308.D	1	10/13/25	10/13/25	PB170068

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	136	E	0.98	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	77.8	E	1.27	2.15	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	42.6		40 - 140	85%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	33.7		40 - 140	67%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3322-01MSD	Acq On:	13 Oct 2025 17:02
Client Sample ID:	Q3322-01MSD	Operator:	YP\AJ
Data file:	FE056308.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.303	6.939	28126867	200.866	300	ug/ml
Aliphatic C12-C16	6.940	10.389	66895059	436.149	200	ug/ml
Aliphatic C16-C21	10.390	13.768	88794882	535.297	300	ug/ml
Aliphatic C21-C28	13.769	17.439	108865070	732.964	400	ug/ml
Aliphatic C28-C40	17.440	22.444	148040451	1090	600	ug/ml
Aliphatic EPH	3.303	22.444	440722329	2990		ug/ml
ortho-Terphenyl (SURR)	12.067	12.067	6327470	33.72		ug/ml
1-chlorooctadecane (SURR)	13.503	13.503	5945612	42.6		ug/ml
Aliphatic C9-C28	3.303	17.439	292681878	1910	1200	ug/ml