

Report of Analysis

Client:	PSEG	Date Collected:	01/23/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	01/23/25
Client Sample ID:	OR-03-01232025	SDG No.:	Q1170
Lab Sample ID:	Q1170-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/24/25 08:59	01/24/25 19:06	PB166217

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1	1.99	2.22	mg/kg FC068120.D
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1	1.91	4.44	mg/kg FC068120.D
Total AliphaticEPH	Total AliphaticEPH	43.7			3.90	6.66	mg/kg
Total EPH	Total EPH	43.7			3.90	6.66	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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Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC068120.D	1	01/24/25	01/24/25	PB166217

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.9		1.91	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	26.8		1.99	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.9		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.2		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1170-01	Acq On:	24 Jan 2025 19:06
Client Sample ID:	OR-03-01232025	Operator:	YP/AJ
Data file:	FC068120.D	Misc:	
Instrument:	FID_C	ALS Vial:	30
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.399	1689580	12.2	300	ug/ml
Aliphatic C12-C16	6.400	9.782	4665529	33.879	200	ug/ml
Aliphatic C16-C21	9.783	13.135	17265167	127.872	300	ug/ml
Aliphatic C21-C28	13.136	16.786	6952206	54.652	400	ug/ml
Aliphatic C28-C40	16.787	21.595	37607187	362.868	600	ug/ml
Aliphatic EPH	3.133	21.595	68179669	591.471		ug/ml
ortho-Terphenyl (SURR)	11.428	11.428	4087430	26.16		ug/ml
1-chlorooctadecane (SURR)	12.868	12.868	5734487	49.86		ug/ml
Aliphatic C9-C28	3.133	16.786	30572482	228.603	1200	ug/ml