

Report of Analysis

Client:	PSEG	Date Collected:	12/12/24
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	12/12/24
Client Sample ID:	OR-02-12122024	SDG No.:	P5268
Lab Sample ID:	P5268-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.2
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
12/13/24 08:35	12/16/24 10:30	PB165620

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	73.8		2	4.12	4.58	mg/kg	FE051660.D
Aliphatic C9-C28	Aliphatic C9-C28	22.0		1	1.97	4.57	mg/kg	FE051650.D
Total AliphaticEPH	Total AliphaticEPH	95.8			6.09	9.15	mg/kg	
Total EPH	Total EPH	95.8			6.09	9.15	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
FE051650.D	1	12/13/24	12/13/24	PB165620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	22.0		1.97	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	72.6	E	2.06	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	36.0		40 - 140	72%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.2		40 - 140	64%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5268-01	Acq On:	13 Dec 2024 14:03
Client Sample ID:	OR-02-12122024	Operator:	YP\AJ
Data file:	FE051650.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.371	6.934	1651947	13.82	300	ug/ml
Aliphatic C12-C16	6.935	10.335	4732944	36.423	200	ug/ml
Aliphatic C16-C21	10.336	13.670	13295553	94.028	300	ug/ml
Aliphatic C21-C28	13.671	17.295	20823215	143.63	400	ug/ml
Aliphatic C28-C40	17.296	22.147	119271691	950.782	600	ug/ml
Aliphatic EPH	3.371	22.147	159775350	1240		ug/ml
ortho-Terphenyl (SURR)	11.992	11.992	4982851	32.23		ug/ml
1-chlorooctadecane (SURR)	13.410	13.410	4472438	36.03		ug/ml
Aliphatic C9-C28	3.371	17.295	40503659	287.901	1200	ug/ml