

Report of Analysis

Client:	PSEG	Date Collected:	02/03/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	02/03/25
Client Sample ID:	OR-02--2-03-2025	SDG No.:	Q1281
Lab Sample ID:	Q1281-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.7
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
02/04/25 08:15	02/05/25 7:55	PB166524

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	85.0		5	10.4	11.5	mg/kg FE052233.D
Aliphatic C9-C28	Aliphatic C9-C28	38.2		1	1.98	4.61	mg/kg FE052226.D
Total AliphaticEPH	Total AliphaticEPH	123			12.4	16.1	mg/kg
Total EPH	Total EPH	123			12.4	16.1	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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File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE052226.D	1	02/04/25	02/04/25	PB166524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	38.2		1.98	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	77.0	E	2.07	2.31	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	39.3		40 - 140	79%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	27.9		40 - 140	56%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1281-01	Acq On:	04 Feb 2025 18:08
Client Sample ID:	OR-02--2-03-2025	Operator:	YP\AJ
Data file:	FE052226.D	Misc:	
Instrument:	FID_E	ALS Vial:	22
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.618	7.187	2031440	21.12	300	ug/ml
Aliphatic C12-C16	7.188	10.597	9150200	87.383	200	ug/ml
Aliphatic C16-C21	10.598	13.950	25778446	228.083	300	ug/ml
Aliphatic C21-C28	13.951	17.598	18361086	161.064	400	ug/ml
Aliphatic C28-C40	17.599	22.669	91751981	1000	600	ug/ml
Aliphatic EPH	3.618	22.669	147073153	1500		ug/ml
ortho-Terphenyl (SURR)	12.298	12.298	3454437	27.91		ug/ml
1-chlorooctadecane (SURR)	13.712	13.712	3882233	39.34		ug/ml
Aliphatic C9-C28	3.618	17.598	55321172	497.65	1200	ug/ml