

Report of Analysis

Client:	PSEG	Date Collected:	01/07/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	01/07/25
Client Sample ID:	OR-03-010725-E2	SDG No.:	Q1028
Lab Sample ID:	Q1028-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
01/08/25 08:06	01/09/25 9:18	PB165974

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	74.1		5	9.65	10.7	mg/kg	FE051886.D
Aliphatic C9-C28	Aliphatic C9-C28	20.8		1	1.84	4.29	mg/kg	FE051873.D
Total AliphaticEPH	Total AliphaticEPH	94.9			11.5	15.0	mg/kg	
Total EPH	Total EPH	94.9			11.5	15.0	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
FE051873.D	1	01/08/25	01/08/25	PB165974

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	20.8		1.84	4.29	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	77.9	E	1.93	2.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.8		40 - 140	50%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	19.2		40 - 140	38%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1028-02	Acq On:	08 Jan 2025 18:16
Client Sample ID:	OR-03-010725-E2	Operator:	YP\AJ
Data file:	FE051873.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	3.428	7.024	1027288	9.02	300	ug/ml
Aliphatic C12-C16	7.025	10.452	6015696	48.539	200	ug/ml
Aliphatic C16-C21	10.453	13.814	14867626	112.615	300	ug/ml
Aliphatic C21-C28	13.815	17.470	15815480	120.735	400	ug/ml
Aliphatic C28-C40	17.471	22.484	118934573	1090	600	ug/ml
Aliphatic EPH	3.428	22.484	156660663	1380		ug/ml
ortho-Terphenyl (SURR)	12.146	12.146	2787051	19.23		ug/ml
1-chlorooctadecane (SURR)	13.572	13.572	2844878	24.76		ug/ml
Aliphatic C9-C28	3.428	17.470	37726090	290.909	1200	ug/ml