

Report of Analysis

Client:	PSEG	Date Collected:	03/12/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	03/12/25
Client Sample ID:	OR-02-031225	SDG No.:	Q1556
Lab Sample ID:	Q1556-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.2
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
03/13/25 09:50	03/14/25 10:52	PB167114

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	115		5	6.46	11.0	mg/kg FE052800.D
Aliphatic C9-C28	Aliphatic C9-C28	36.8		1	1.88	4.39	mg/kg FE052790.D
Total AliphaticEPH	Total AliphaticEPH	152			8.34	15.4	mg/kg
Total EPH	Total EPH	152			8.34	15.4	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
FE052790.D	1	03/13/25	03/13/25	PB167114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	36.8		1.88	4.39	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	102	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.2		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.0		40 - 140	80%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1556-01	Acq On:	13 Mar 2025 21:31
Client Sample ID:	OR-02-031225	Operator:	YP\AJ
Data file:	FE052790.D	Misc:	
Instrument:	FID_E	ALS Vial:	26
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.150	6.794	1254240	8.043	300	ug/ml
Aliphatic C12-C16	6.795	10.247	4657926	30.624	200	ug/ml
Aliphatic C16-C21	10.248	13.625	28326194	193.289	300	ug/ml
Aliphatic C21-C28	13.626	17.297	38797379	272.354	400	ug/ml
Aliphatic C28-C40	17.298	22.215	178979364	1400	600	ug/ml
Aliphatic EPH	3.150	22.215	252015103	1910		ug/ml
ortho-Terphenyl (SURR)	11.910	11.910	6746783	40.02		ug/ml
1-chlorooctadecane (SURR)	13.355	13.355	5852994	48.2		ug/ml
Aliphatic C9-C28	3.150	17.297	73035739	504.31	1200	ug/ml