

Report of Analysis

Client:	PSEG	Date Collected:	02/18/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	02/18/25
Client Sample ID:	OR-03-021823025-E2	SDG No.:	Q1384
Lab Sample ID:	Q1384-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	89.2
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
02/19/25 08:55	02/20/25 9:39	PB166773

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	96.0		5	10.1	11.2	mg/kg	FE052419.D
Aliphatic C9-C28	Aliphatic C9-C28	16.5		1	1.93	4.48	mg/kg	FE052408.D
Total AliphaticEPH	Total AliphaticEPH	113			12.0	15.7	mg/kg	
Total EPH	Total EPH	113			12.0	15.7	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
FE052408.D	1	02/19/25	02/19/25	PB166773

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	16.5		1.93	4.48	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	85.7	E	2.01	2.24	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	31.7		40 - 140	63%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.9		40 - 140	52%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1384-02	Acq On:	19 Feb 2025 16:33
Client Sample ID:	OR-03-021823025-E2	Operator:	YP\AJ
Data file:	FE052408.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.796	2323600	14.91	300	ug/ml
Aliphatic C12-C16	6.797	10.248	7771581	48.428	200	ug/ml
Aliphatic C16-C21	10.249	13.628	15464138	96.339	300	ug/ml
Aliphatic C21-C28	13.629	17.300	9555774	61.49	400	ug/ml
Aliphatic C28-C40	17.301	22.222	150486916	1150	600	ug/ml
Aliphatic EPH	3.152	22.222	185602009	1370		ug/ml
ortho-Terphenyl (SURR)	11.922	11.922	4840358	25.89		ug/ml
1-chlorooctadecane (SURR)	13.368	13.368	4401311	31.67		ug/ml
Aliphatic C9-C28	3.152	17.300	35115093	221.167	1200	ug/ml