

Report of Analysis

Client:	PSEG	Date Collected:	04/01/25
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	04/01/25
Client Sample ID:	OR-02-040125	SDG No.:	Q1688
Lab Sample ID:	Q1688-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/01/25 14:00	04/02/25 1:28	PB167416

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1	1.37	2.32	mg/kg	FE053112.D
Aliphatic C9-C28	Aliphatic C9-C28	5.46		1	1.06	4.64	mg/kg	FE053112.D
Total AliphaticEPH	Total AliphaticEPH	27.7			2.43	6.96	mg/kg	
Total EPH	Total EPH	27.7			2.43	6.96	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
FE053112.D	1	04/01/25	04/02/25	PB167416

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	5.46		1.06	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	22.2		1.37	2.32	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.5		40 - 140	61%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1688-01	Acq On:	02 Apr 2025 01:28
Client Sample ID:	OR-02-040125	Operator:	YP\AJ
Data file:	FE053112.D	Misc:	
Instrument:	FID_E	ALS Vial:	27
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	1329462	8.52	300	ug/ml
Aliphatic C12-C16	6.783	10.232	2299354	14.967	200	ug/ml
Aliphatic C16-C21	10.233	13.609	3077961	21.325	300	ug/ml
Aliphatic C21-C28	13.610	17.278	3462212	25.771	400	ug/ml
Aliphatic C28-C40	17.279	22.189	35579725	286.341	600	ug/ml
Aliphatic EPH	3.141	22.189	45748714	356.923		ug/ml
ortho-Terphenyl (SURR)	11.891	11.891	4964669	30.48		ug/ml
1-chlorooctadecane (SURR)	13.335	13.335	3886437	32.37		ug/ml
Aliphatic C9-C28	3.141	17.278	10168989	70.583	1200	ug/ml