

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-E2	SDG No.:	Q1688
Lab Sample ID:	Q1688-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.6
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
04/01/25 08:00	04/02/25 12:48	PB167416

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	61.1		2	2.72	4.61	mg/kg	FE053129.D
Aliphatic C9-C28	Aliphatic C9-C28	35.3		1	1.05	4.61	mg/kg	FE053113.D
Total AliphaticEPH	Total AliphaticEPH	96.4			3.77	9.22	mg/kg	
Total EPH	Total EPH	96.4			3.77	9.22	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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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE053113.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	35.3		1.05	4.61	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	65.1	E	1.36	2.30	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	55.3		40 - 140	111%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.0		40 - 140	50%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q1688-02	Acq On:	02 Apr 2025 01:58
Client Sample ID:	OR-02-040125-E2	Operator:	YP\AJ
Data file:	FE053113.D	Misc:	
Instrument:	FID_E	ALS Vial:	28
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.141	6.782	5931123	38.012	300	ug/ml
Aliphatic C12-C16	6.783	10.232	22851634	148.743	200	ug/ml
Aliphatic C16-C21	10.233	13.609	24466889	169.512	300	ug/ml
Aliphatic C21-C28	13.610	17.278	13932126	103.702	400	ug/ml
Aliphatic C28-C40	17.279	22.189	105305859	847.487	600	ug/ml
Aliphatic EPH	3.141	22.189	172487631	1310		ug/ml
ortho-Terphenyl (SURR)	11.891	11.891	4065771	24.96		ug/ml
1-chlorooctadecane (SURR)	13.333	13.333	6638432	55.3		ug/ml
Aliphatic C9-C28	3.141	17.278	67181772	459.969	1200	ug/ml