

Report of Analysis

Client:	PSEG	Date Collected:	12/12/24
Project:	Oradell Gas and Appliance Service MA00006789	Date Received:	12/12/24
Client Sample ID:	OR-02-12122024-E2	SDG No.:	P5268
Lab Sample ID:	P5268-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.8
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
12/13/24 08:35	12/16/24 11:00	PB165620

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	68.4		2	4.04	4.49	mg/kg	FE051661.D
Aliphatic C9-C28	Aliphatic C9-C28	9.74		1	1.93	4.49	mg/kg	FE051654.D
Total AliphaticEPH	Total AliphaticEPH	78.1			5.97	8.98	mg/kg	
Total EPH	Total EPH	78.1			5.97	8.98	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
FE051654.D	1	12/13/24	12/13/24	PB165620

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9.74		1.93	4.49	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	66.3	E	2.02	2.25	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	28.1		40 - 140	56%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.7		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P5268-02	Acq On:	13 Dec 2024 16:03
Client Sample ID:	OR-02-12122024-E2	Operator:	YP\AJ
Data file:	FE051654.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	3.371	6.934	604688	5.059	300	ug/ml
Aliphatic C12-C16	6.935	10.335	2062138	15.87	200	ug/ml
Aliphatic C16-C21	10.336	13.670	7622960	53.911	300	ug/ml
Aliphatic C21-C28	13.671	17.295	8730101	60.216	400	ug/ml
Aliphatic C28-C40	17.296	22.147	111031243	885.093	600	ug/ml
Aliphatic EPH	3.371	22.147	130051130	1020		ug/ml
ortho-Terphenyl (SURR)	12.001	12.001	3973277	25.7		ug/ml
1-chlorooctadecane (SURR)	13.419	13.419	3491705	28.13		ug/ml
Aliphatic C9-C28	3.371	17.295	19019887	135.056	1200	ug/ml