

Report of Analysis

Client:	PSEG	Date Collected:	11/20/24
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	11/20/24
Client Sample ID:	PL-01-11202024	SDG No.:	P4936
Lab Sample ID:	P4936-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	88.4
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
11/21/24 09:10	11/21/24 14:49	PB165156

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	44.9		1	2.03	2.26	mg/kg FE051388.D
Aliphatic C9-C28	Aliphatic C9-C28	26.4		1	1.94	4.52	mg/kg FE051388.D
Total AliphaticEPH	Total AliphaticEPH	71.3			3.97	6.78	mg/kg
Total EPH	Total EPH	71.3			3.97	6.78	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
FE051388.D	1	11/21/24	11/21/24	PB165156

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	26.4		1.94	4.52	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	44.9		2.03	2.26	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.4		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	30.1		40 - 140	60%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4936-01	Acq On:	21 Nov 2024 14:49
Client Sample ID:	PL-01-11202024	Operator:	YP\AJ
Data file:	FE051388.D	Misc:	
Instrument:	FID_E	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.133	6.746	1254685	8.967	300	ug/ml
Aliphatic C12-C16	6.747	10.179	5425276	38.577	200	ug/ml
Aliphatic C16-C21	10.180	13.540	18255711	132.511	300	ug/ml
Aliphatic C21-C28	13.541	17.195	22968433	171.468	400	ug/ml
Aliphatic C28-C40	17.196	22.038	76866688	597.03	600	ug/ml
Aliphatic EPH	3.133	22.038	124770793	948.553		ug/ml
ortho-Terphenyl (SURR)	11.843	11.843	4519806	30.11		ug/ml
1-chlorooctadecane (SURR)	13.274	13.274	4023772	35.44		ug/ml
Aliphatic C9-C28	3.133	17.195	47904105	351.523	1200	ug/ml