

Report of Analysis

Client:	PSEG	Date Collected:	10/25/24
Project:	Plainfield Gas and Appliance Service MA0006789	Date Received:	10/25/24
Client Sample ID:	PL-02-102424	SDG No.:	P4575
Lab Sample ID:	P4575-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	91.3
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/26/24 09:00	10/29/24 9:31	PB164436

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	156		5	9.83	10.9	mg/kg	FE050876.D
Aliphatic C9-C28	Aliphatic C9-C28	40.2		1	1.88	4.37	mg/kg	FE050866.D
Total AliphaticEPH	Total AliphaticEPH	196			11.7	15.3	mg/kg	
Total EPH	Total EPH	196			11.7	15.3	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
FE050866.D	1	10/26/24	10/28/24	PB164436

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	40.2		1.88	4.37	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	166	E	1.97	2.19	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	33.8		40 - 140	68%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	25.6		40 - 140	51%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4575-01	Acq On:	28 Oct 2024 17:53
Client Sample ID:	PL-02-102424	Operator:	YP\AJ
Data file:	FE050866.D	Misc:	
Instrument:	FID_E	ALS Vial:	21
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.147	6.765	3221074	22.541	300	ug/ml
Aliphatic C12-C16	6.766	10.198	11874510	81.826	200	ug/ml
Aliphatic C16-C21	10.199	13.558	26709147	184.965	300	ug/ml
Aliphatic C21-C28	13.559	17.213	37352534	262.759	400	ug/ml
Aliphatic C28-C40	17.214	22.064	315361118	2280	600	ug/ml
Aliphatic EPH	3.147	22.064	394518383	2830		ug/ml
ortho-Terphenyl (SURR)	11.859	11.859	4040496	25.63		ug/ml
1-chlorooctadecane (SURR)	13.294	13.294	3993440	33.76		ug/ml
Aliphatic C9-C28	3.147	17.213	79157265	552.091	1200	ug/ml