

Report of Analysis

Client:	PSEG	Date Collected:	11/01/24
Project:	Bellmawr Sub HQ	Date Received:	11/01/24
Client Sample ID:	BELL-SHOP-RAGS	SDG No.:	P4682
Lab Sample ID:	P4682-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	5.06	Units:	g
Soil Aliquot Vol:		Final Vol:	2000 uL
Prep Method :		Test:	EPH_NF

Prep Date :	Date Analyzed :	Prep Batch ID
11/05/24 09:56	11/06/24 8:49	PB164681

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	10400		100	1070	1190	mg/kg FE051060.D
Aliphatic C9-C28	Aliphatic C9-C28	9100		100	1020	2370	mg/kg FE051060.D
Total AliphaticEPH	Total AliphaticEPH	19500			2090	3550	mg/kg
Total EPH	Total EPH	19500			2090	3550	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
FE051031.D	1	11/05/24	11/05/24	PB164681

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	9030	E	10.2	23.7	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	10200	E	10.7	11.9	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	43.1		40 - 140	86%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4682-01	Acq On:	05 Nov 2024 17:57
Client Sample ID:	BELL-SHOP-RAGS	Operator:	YP\AJ
Data file:	FE051031.D	Misc:	
Instrument:	FID_E	ALS Vial:	8
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	235373713	1650	300	ug/ml
Aliphatic C12-C16	6.761	10.191	665846756	4590	200	ug/ml
Aliphatic C16-C21	10.192	13.549	583361889	4040	300	ug/ml
Aliphatic C21-C28	13.550	17.205	1786906742	12600	400	ug/ml
Aliphatic C28-C40	17.206	22.048	3562639610	25800	600	ug/ml
Aliphatic EPH	3.140	22.048	6834128710	48700		ug/ml
ortho-Terphenyl (SURR)	11.862	11.862	6791324	43.08		ug/ml
1-chlorooctadecane (SURR)	13.302	13.302	5756641	48.66		ug/ml
Aliphatic C9-C28	3.140	17.205	3271489100	22800	1200	ug/ml