

Report of Analysis

Client:	PSEG	Date Collected:	10/17/24
Project:	OG- 315 - HR-502 Bloomfield Belleville	Date Received:	10/18/24
Client Sample ID:	OG-315-HR-502-COMP-30	SDG No.:	P4443
Lab Sample ID:	P4443-06	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.9
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/21/24 09:20	10/21/24 16:37	PB164285

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	29.4		1	2.09	2.33	mg/kg FE050744.D
Aliphatic C9-C28	Aliphatic C9-C28	15.7		1	2.00	4.64	mg/kg FE050744.D
Total AliphaticEPH	Total AliphaticEPH	45.1			4.09	6.97	mg/kg
Total EPH	Total EPH	45.1			4.09	6.97	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
FE050744.D	1	10/21/24	10/21/24	PB164285

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	15.7		2.00	4.64	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	29.4		2.09	2.33	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.7		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:	P4443-06	Acq On:	21 Oct 2024 16:37
Client Sample ID:	OG-315-HR-502-COMP-30	Operator:	YP\AJ
Data file:	FE050744.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.770	454914	3.183	300	ug/ml
Aliphatic C12-C16	6.771	10.205	1718170	11.84	200	ug/ml
Aliphatic C16-C21	10.206	13.566	10482491	72.593	300	ug/ml
Aliphatic C21-C28	13.567	17.223	16821581	118.333	400	ug/ml
Aliphatic C28-C40	17.224	22.084	52447115	379.218	600	ug/ml
Aliphatic EPH	3.152	22.084	81924271	585.167		ug/ml
ortho-Terphenyl (SURR)	11.867	11.867	4749579	30.13		ug/ml
1-chlorooctadecane (SURR)	13.301	13.301	4221568	35.69		ug/ml
Aliphatic C9-C28	3.152	17.223	29477156	205.949	1200	ug/ml