

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-502-58	SDG No.:	P4443
Lab Sample ID:	P4443-04	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	93.8
Sample Wt/Vol:	30.04 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 16:07	PB164285

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	16.7		1	1.92	2.13	mg/kg	FE050743.D
Aliphatic C9-C28	Aliphatic C9-C28	3.61	J	1	1.83	4.25	mg/kg	FE050743.D
Total AliphaticEPH	Total AliphaticEPH	20.3			3.75	6.38	mg/kg	
Total EPH	Total EPH	20.3			3.75	6.38	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
FE050743.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	3.61	J	1.83	4.25	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	16.7		1.92	2.13	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	24.0		40 - 140	48%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.4		40 - 140	45%	SPK: 50

Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4443-04	Acq On:	21 Oct 2024 16:07
Client Sample ID:	OG-315-HR-502-58	Operator:	YP\AJ
Data file:	FE050743.D	Misc:	
Instrument:	FID_E	ALS Vial:	16
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.152	6.770	312052	2.184	300	ug/ml
Aliphatic C12-C16	6.771	10.205	839595	5.786	200	ug/ml
Aliphatic C16-C21	10.206	13.566	2284996	15.824	300	ug/ml
Aliphatic C21-C28	13.567	17.223	4169469	29.33	400	ug/ml
Aliphatic C28-C40	17.224	22.084	32556138	235.397	600	ug/ml
Aliphatic EPH	3.152	22.084	40162250	288.52		ug/ml
ortho-Terphenyl (SURR)	11.867	11.867	3526346	22.37		ug/ml
1-chlorooctadecane (SURR)	13.300	13.300	2841911	24.02		ug/ml
Aliphatic C9-C28	3.152	17.223	7606112	53.124	1200	ug/ml