

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	04/25/23
Project:	169 Bridgeton Pike Mullica Hill, NJ # 0800X062	Date Received:	04/26/23
Client Sample ID:	WO-3	SDG No.:	O2505
Lab Sample ID:	O2505-03	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	85.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
04/27/23 08:00	05/01/23 9:44	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	525		20	23.9	46.8	mg/kg	FE041625.D
Aliphatic C9-C28	Aliphatic C9-C28	377		20	24.6	93.6	mg/kg	FE041625.D
Total AliphaticEPH	Total AliphaticEPH	902			48.5	140	mg/kg	
Total EPH	Total EPH	902			48.5	140	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
FE041603.D	1	04/27/23	04/28/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	438	E	1.23	4.68	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	467	E	1.19	2.34	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	27.7		40 - 140	55%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	26.6		40 - 140	53%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-03	Acq On:	28 Apr 2023 06:47
Client Sample ID:	WO-3	Operator:	YP\AJ
Data file:	FE041603.D	Misc:	
Instrument:	FID_E	ALS Vial:	44
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	5584425	37.311	300	ug/ml
Aliphatic C12-C16	6.878	10.315	9482544	60.885	200	ug/ml
Aliphatic C16-C21	10.316	13.682	26280257	162.851	300	ug/ml
Aliphatic C21-C28	13.683	17.343	848541505	5370	400	ug/ml
Aliphatic C28-C40	17.344	22.280	833119910	5990	600	ug/ml
Aliphatic EPH	3.256	22.280	1723008641	11600		ug/ml
ortho-Terphenyl (SURR)	11.984	11.984	4983853	26.57		ug/ml
1-chlorooctadecane (SURR)	13.422	13.422	3909224	27.67		ug/ml
Aliphatic C9-C28	3.256	17.343	889888731	5630	1200	ug/ml