

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:	HL-1	SDG No.:	O2509
Lab Sample ID:	O2509-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	94.3
Sample Wt/Vol:	30.06 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 10:07	04/28/23 3:15	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	9.71		1	1.08	2.12	mg/kg	FE041596.D
Aliphatic C9-C28	Aliphatic C9-C28	1.11	U	1	1.11	4.24	mg/kg	FE041596.D
Total AliphaticEPH	Total AliphaticEPH	9.71			2.19	6.36	mg/kg	
Total EPH	Total EPH	9.71			2.19	6.36	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



284 Sheffield Street, Mountainside NJ 07092 Phone: 908 789 8900 Fax : 908 789 8922

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Prep Method :		Test:	EPH_NF

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE041596.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	0.000	U	1.11	4.24	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	9.71		1.08	2.12	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.3		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	20.6		40 - 140	41%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2509-01	Acq On:	28 Apr 2023 03:15
Client Sample ID:	HL-1	Operator:	YP\AJ
Data file:	FE041596.D	Misc:	
Instrument:	FID_E	ALS Vial:	37
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.256	6.877	446108	2.981	300	ug/ml
Aliphatic C12-C16	6.878	10.315	564694	3.626	200	ug/ml
Aliphatic C16-C21	10.316	13.682	522621	3.239	300	ug/ml
Aliphatic C21-C28	13.683	17.343	1083380	6.851	400	ug/ml
Aliphatic C28-C40	17.344	22.280	19134317	137.552	600	ug/ml
Aliphatic EPH	3.256	22.280	21751120	154.248		ug/ml
ortho-Terphenyl (SURR)	11.984	11.984	3869963	20.63		ug/ml
1-chlorooctadecane (SURR)	13.421	13.421	3150341	22.3		ug/ml
Aliphatic C9-C28	3.256	17.343	2616803	16.697	1200	ug/ml