

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-2	SDG No.:	O2509
Lab Sample ID:	O2509-02	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	90
Sample Wt/Vol:	30.09 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 9:37	PB152444

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	11.4		1	1.13	2.22	mg/kg	FC063489.D
Aliphatic C9-C28	Aliphatic C9-C28	1.56	J	1	1.16	4.44	mg/kg	FC063489.D
Total AliphaticEPH	Total AliphaticEPH	13.0			2.29	6.66	mg/kg	
Total EPH	Total EPH	13.0			2.29	6.66	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
FC063489.D	1	04/27/23	05/01/23	PB152444

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	1.56	J	1.16	4.44	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	11.4		1.13	2.22	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	32.4		40 - 140	65%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	39.7		40 - 140	79%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2509-02	Acq On:	01 May 2023 09:37
Client Sample ID:	HL-2	Operator:	YP/AJ
Data file:	FC063489.D	Misc:	
Instrument:	FID_C	ALS Vial:	6
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.198	6.484	94034	0.686	300	ug/ml
Aliphatic C12-C16	6.485	9.880	377470	2.784	200	ug/ml
Aliphatic C16-C21	9.881	13.239	433688	3.193	300	ug/ml
Aliphatic C21-C28	13.240	16.891	2042738	15.214	400	ug/ml
Aliphatic C28-C40	16.892	21.751	20157521	153.846	600	ug/ml
Aliphatic EPH	3.198	21.751	23105451	175.724		ug/ml
ortho-Terphenyl (SURR)	11.535	11.535	6044760	39.73		ug/ml
1-chlorooctadecane (SURR)	12.972	12.972	3580661	32.36		ug/ml
Aliphatic C9-C28	3.198	16.891	2947930	21.877	1200	ug/ml