

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-5	SDG No.:	O2505
Lab Sample ID:	O2505-08	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	48.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
05/03/23 08:40	05/03/23 22:42	PB152543

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C9-C12	Aliphatic C9-C12	14.0		1	0.50	2.07	mg/kg FC063540.D
Aliphatic C12-C16	Aliphatic C12-C16	23.0		1	0.29	1.38	mg/kg FC063540.D
Aliphatic C16-C21	Aliphatic C16-C21	354		10	4.35	20.7	mg/kg FC063557.D
Aliphatic C21-C28	Aliphatic C21-C28	9910		200	190	551	mg/kg FC063558.D
Aliphatic C28-C40	Aliphatic C28-C40	10800		200	422	827	mg/kg FC063558.D
Aromatic C10-C12	Aromatic C10-C12	11.7		1	0.31	1.38	mg/kg FD045575.D
Aromatic C12-C16	Aromatic C12-C16	29.1		1	0.31	2.07	mg/kg FD045575.D
Aromatic C16-C21	Aromatic C16-C21	401		10	6.21	34.5	mg/kg FD045591.D
Aromatic C21-C36	Aromatic C21-C36	4920		100	80.7	551	mg/kg FD045592.D
Total AliphaticEPH	Total AliphaticEPH	21100			617	1400	mg/kg
Total AromaticEPH	Total AromaticEPH	5360			87.5	589	mg/kg
Total EPH	Total EPH	26400			705	1990	mg/kg

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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Soil Aliquot Vol:	uL	Test:	EPH
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FC063540.D	1	05/03/23	05/03/23	PB152543

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C12	Aliphatic C9-C12	14.0		0.50	2.07	mg/kg
Aliphatic C12-C16	Aliphatic C12-C16	23.0		0.29	1.38	mg/kg
Aliphatic C16-C21	Aliphatic C16-C21	311	E	0.44	2.07	mg/kg
Aliphatic C21-C28	Aliphatic C21-C28	7470	E	0.95	2.76	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	8270	E	2.11	4.14	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	40.7		40 - 140	81%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	0.00		40 - 140	0%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	O2505-08	Acq On:	03 May 2023 22:42
Client Sample ID:	WO-5	Operator:	YP/AJ
Data file:	FC063540.D	Misc:	
Instrument:	FID_C	ALS Vial:	14
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.197	6.484	13427341	101.478	300	ug/ml
Aliphatic C12-C16	6.485	9.878	21736124	166.461	200	ug/ml
Aliphatic C16-C21	9.879	13.237	299084021	2260	300	ug/ml
Aliphatic C21-C28	13.238	16.890	6989015685	54200	400	ug/ml
Aliphatic C28-C40	16.891	21.743	7327545282	60000	600	ug/ml
Aliphatic EPH	3.197	21.743	14650808453	117000		ug/ml
ortho-Terphenyl (SURR)	0.000	0.000	0	0		ug/ml
1-chlorooctadecane (SURR)	12.983	12.983	4393428	40.68		ug/ml
Aliphatic C9-C28	3.197	16.890	7323263171	56800	1200	ug/ml