

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:	O2505-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	48.2
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF133323.D	5	05/03/23 09:10	05/09/23 18:15	PB152548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1500	U	1500	3400	ug/Kg
108-95-2	Phenol	770	U	770	1800	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930	U	930	1800	ug/Kg
95-57-8	2-Chlorophenol	740	U	740	1800	ug/Kg
95-48-7	2-Methylphenol	1200	U	1200	1800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100	U	1100	1800	ug/Kg
98-86-2	Acetophenone	900	U	900	1800	ug/Kg
65794-96-9	3+4-Methylphenols	1100	U	1100	3400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	610	U	610	830	ug/Kg
67-72-1	Hexachloroethane	760	U	760	1800	ug/Kg
98-95-3	Nitrobenzene	780	U	780	1800	ug/Kg
78-59-1	Isophorone	700	U	700	1800	ug/Kg
88-75-5	2-Nitrophenol	980	U	980	1800	ug/Kg
105-67-9	2,4-Dimethylphenol	1000	U	1000	1800	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200	U	1200	1800	ug/Kg
120-83-2	2,4-Dichlorophenol	810	U	810	1800	ug/Kg
91-20-3	Naphthalene	840	U	840	1800	ug/Kg
106-47-8	4-Chloroaniline	1100	UQ	1100	1800	ug/Kg
87-68-3	Hexachlorobutadiene	870	U	870	1800	ug/Kg
105-60-2	Caprolactam	1200	U	1200	3400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	850	U	850	1800	ug/Kg
91-57-6	2-Methylnaphthalene	980	U	980	1800	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	U	2200	3400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	800	U	800	1800	ug/Kg
95-95-4	2,4,5-Trichlorophenol	910	U	910	1800	ug/Kg
92-52-4	1,1-Biphenyl	940	U	940	1800	ug/Kg
91-58-7	2-Chloronaphthalene	880	U	880	1800	ug/Kg
88-74-4	2-Nitroaniline	1000	U	1000	1800	ug/Kg
131-11-3	Dimethylphthalate	920	U	920	1800	ug/Kg
208-96-8	Acenaphthylene	910	U	910	1800	ug/Kg
606-20-2	2,6-Dinitrotoluene	930	U	930	1800	ug/Kg

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99-09-2	3-Nitroaniline	970	UQ	970	1800	ug/Kg
83-32-9	Acenaphthene	830	U	830	1800	ug/Kg
51-28-5	2,4-Dinitrophenol	1900	U	1900	3400	ug/Kg
100-02-7	4-Nitrophenol	1200	U	1200	3400	ug/Kg
132-64-9	Dibenzofuran	800	U	800	1800	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000	U	1000	1800	ug/Kg
84-66-2	Diethylphthalate	890	U	890	1800	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940	U	940	1800	ug/Kg
86-73-7	Fluorene	880	U	880	1800	ug/Kg
100-01-6	4-Nitroaniline	1100	U	1100	1800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	910	U	910	3400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	970	U	970	1800	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000	U	1000	1800	ug/Kg
118-74-1	Hexachlorobenzene	1000	U	1000	1800	ug/Kg
1912-24-9	Atrazine	990	U	990	1800	ug/Kg
87-86-5	Pentachlorophenol	1100	U	1100	3400	ug/Kg
85-01-8	Phenanthrene	960	U	960	1800	ug/Kg
120-12-7	Anthracene	1100	U	1100	1800	ug/Kg
86-74-8	Carbazole	880	U	880	1800	ug/Kg
84-74-2	Di-n-butylphthalate	1100	U	1100	1800	ug/Kg
206-44-0	Fluoranthene	980	U	980	1800	ug/Kg
129-00-0	Pyrene	870	U	870	1800	ug/Kg
85-68-7	Butylbenzylphthalate	1100	U	1100	1800	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1700	U	1700	3400	ug/Kg
56-55-3	Benzo(a)anthracene	870	U	870	1800	ug/Kg
218-01-9	Chrysene	900	U	900	1800	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200	U	1200	1800	ug/Kg
117-84-0	Di-n-octyl phthalate	1300	U	1300	3400	ug/Kg
205-99-2	Benzo(b)fluoranthene	830	U	830	1800	ug/Kg
207-08-9	Benzo(k)fluoranthene	910	U	910	1800	ug/Kg
50-32-8	Benzo(a)pyrene	980	U	980	1800	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100	U	1100	1800	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000	U	1000	1800	ug/Kg

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191-24-2	Benzo(g,h,i)perylene	1200	J	960	1800	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	920	U	920	1800	ug/Kg
123-91-1	1,4-Dioxane	1200	U	1200	1800	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	860	U	860	1800	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	81.3		30 (18) - 130 (112)	54%	SPK: 150
13127-88-3	Phenol-d6	78.7		30 (21) - 130 (104)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	53.4		30 (27) - 130 (109)	53%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.4		30 (30) - 130 (103)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	64.5		30 (10) - 130 (121)	43%	SPK: 150
1718-51-0	Terphenyl-d14	85.6		30 (21) - 130 (107)	86%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	203000	6.722
1146-65-2	Naphthalene-d8	751000	8.004
15067-26-2	Acenaphthene-d10	324000	9.757
1517-22-2	Phenanthrene-d10	522000	11.239
1719-03-5	Chrysene-d12	201000	13.904
1520-96-3	Perylene-d12	215000	15.351

TENTATIVE IDENTIFIED COMPOUNDS

062238-01-1	Decane, 2,2,8-trimethyl-	990	J	6.22	ug/Kg
000108-67-8	Mesitylene	1200	J	6.54	ug/Kg
000629-78-7	Heptadecane	1000	J	6.85	ug/Kg
062108-31-0	Heptane, 4-ethyl-2,2,6,6-tetrameth	1200	J	7.00	ug/Kg
000527-84-4	o-Cymene	710	J	7.04	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	790	J	7.52	ug/Kg
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	1600	J	7.75	ug/Kg
004920-99-4	Benzene, 1-ethyl-3-(1-methylethyl)	730	J	7.83	ug/Kg
000091-57-6	Naphthalene, 2-methyl-	820	J	8.72	ug/Kg
000090-12-0	Naphthalene, 1-methyl-	1100	J	8.82	ug/Kg
000629-80-1	Hexadecanal	830	J	9.23	ug/Kg
017312-81-1	Undecane, 3,5-dimethyl-	750	J	9.86	ug/Kg
000119-61-9	Benzophenone	1200	J	10.5	ug/Kg

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000544-63-8	Tetradecanoic acid	1300	J		10.9	ug/Kg
000629-73-2	Cetene	2200	J		11.1	ug/Kg
000057-10-3	n-Hexadecanoic acid	6500	J		11.8	ug/Kg
000057-11-4	Octadecanoic acid	6900	J		12.6	ug/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

M = MS/MSD acceptance 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

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products