

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-4	SDG No.:	O2505
Lab Sample ID:	O2505-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	49.2
Sample Wt/Vol:	30.03 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
BF133324.D	10	05/03/23 09:10	05/09/23 18:46	PB152548

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	3000	U	3000	6700	ug/Kg
108-95-2	Phenol	1500	U	1500	3500	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1800	U	1800	3500	ug/Kg
95-57-8	2-Chlorophenol	1500	U	1500	3500	ug/Kg
95-48-7	2-Methylphenol	2300	U	2300	3500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2100	U	2100	3500	ug/Kg
98-86-2	Acetophenone	1800	U	1800	3500	ug/Kg
65794-96-9	3+4-Methylphenols	2200	U	2200	6700	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200	U	1200	1600	ug/Kg
67-72-1	Hexachloroethane	1500	U	1500	3500	ug/Kg
98-95-3	Nitrobenzene	1500	U	1500	3500	ug/Kg
78-59-1	Isophorone	1400	U	1400	3500	ug/Kg
88-75-5	2-Nitrophenol	1900	U	1900	3500	ug/Kg
105-67-9	2,4-Dimethylphenol	2000	U	2000	3500	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2300	U	2300	3500	ug/Kg
120-83-2	2,4-Dichlorophenol	1600	U	1600	3500	ug/Kg
91-20-3	Naphthalene	1700	U	1700	3500	ug/Kg
106-47-8	4-Chloroaniline	2100	UQ	2100	3500	ug/Kg
87-68-3	Hexachlorobutadiene	1700	U	1700	3500	ug/Kg
105-60-2	Caprolactam	2400	U	2400	6700	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700	U	1700	3500	ug/Kg
91-57-6	2-Methylnaphthalene	1900	U	1900	3500	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4300	U	4300	6700	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600	U	1600	3500	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800	U	1800	3500	ug/Kg
92-52-4	1,1-Biphenyl	1900	U	1900	3500	ug/Kg
91-58-7	2-Chloronaphthalene	1700	U	1700	3500	ug/Kg
88-74-4	2-Nitroaniline	2000	U	2000	3500	ug/Kg
131-11-3	Dimethylphthalate	1800	U	1800	3500	ug/Kg
208-96-8	Acenaphthylene	1800	U	1800	3500	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800	U	1800	3500	ug/Kg

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99-09-2	3-Nitroaniline	1900	UQ	1900	3500	ug/Kg
83-32-9	Acenaphthene	1600	U	1600	3500	ug/Kg
51-28-5	2,4-Dinitrophenol	3700	U	3700	6700	ug/Kg
100-02-7	4-Nitrophenol	2300	U	2300	6700	ug/Kg
132-64-9	Dibenzofuran	1600	U	1600	3500	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000	U	2000	3500	ug/Kg
84-66-2	Diethylphthalate	1700	U	1700	3500	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800	U	1800	3500	ug/Kg
86-73-7	Fluorene	1700	U	1700	3500	ug/Kg
100-01-6	4-Nitroaniline	2100	U	2100	3500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800	U	1800	6700	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900	U	1900	3500	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000	U	2000	3500	ug/Kg
118-74-1	Hexachlorobenzene	2000	U	2000	3500	ug/Kg
1912-24-9	Atrazine	1900	U	1900	3500	ug/Kg
87-86-5	Pentachlorophenol	2300	U	2300	6700	ug/Kg
85-01-8	Phenanthrene	1900	U	1900	3500	ug/Kg
120-12-7	Anthracene	2100	U	2100	3500	ug/Kg
86-74-8	Carbazole	1700	U	1700	3500	ug/Kg
84-74-2	Di-n-butylphthalate	2100	U	2100	3500	ug/Kg
206-44-0	Fluoranthene	1900	U	1900	3500	ug/Kg
129-00-0	Pyrene	1700	U	1700	3500	ug/Kg
85-68-7	Butylbenzylphthalate	2100	U	2100	3500	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3300	U	3300	6700	ug/Kg
56-55-3	Benzo(a)anthracene	1700	U	1700	3500	ug/Kg
218-01-9	Chrysene	1800	U	1800	3500	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2300	U	2300	3500	ug/Kg
117-84-0	Di-n-octyl phthalate	2500	U	2500	6700	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600	U	1600	3500	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800	U	1800	3500	ug/Kg
50-32-8	Benzo(a)pyrene	1900	U	1900	3500	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200	U	2200	3500	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2000	U	2000	3500	ug/Kg

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191-24-2	Benzo(g,h,i)perylene	1900	U	1900	3500	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800	U	1800	3500	ug/Kg
123-91-1	1,4-Dioxane	2400	U	2400	3500	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700	U	1700	3500	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	62.3		30 (18) - 130 (112)	42%	SPK: 150
13127-88-3	Phenol-d6	59.0		30 (21) - 130 (104)	39%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.5		30 (27) - 130 (109)	41%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.8		30 (30) - 130 (103)	52%	SPK: 100
118-79-6	2,4,6-Tribromophenol	47.2		30 (10) - 130 (121)	31%	SPK: 150
1718-51-0	Terphenyl-d14	40.2		30 (21) - 130 (107)	40%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	207000	6.722			
1146-65-2	Naphthalene-d8	781000	8.004			
15067-26-2	Acenaphthene-d10	355000	9.757			
1517-22-2	Phenanthrene-d10	545000	11.239			
1719-03-5	Chrysene-d12	373000	13.886			
1520-96-3	Perylene-d12	272000	15.321			
TENTATIVE IDENTIFIED COMPOUNDS						
1000375-53-5	Borneol, heptafluorobutyrate	2200	J		8.36	ug/Kg
000057-10-3	n-Hexadecanoic acid	2300	J		11.8	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