

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070225\
 Data File : BM050341.D
 Acq On : 02 Jul 2025 12:42
 Operator : RC/JU
 Sample : Q2117-06
 Misc : MDL-MED-SOIL-4 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-MED-SOIL-QT2-2025-04

Quant Time: Jul 02 13:14:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM070125.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 01 15:14:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/02/2025
 Supervised By :Jagrut Upadhyay 07/02/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	365758	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	1370137	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	825024	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	1541350	20.000	ng/u1	0.00
79) Chrysene-d12	21.445	240	1508230	20.000	ng/u1	0.00
88) Perylene-d12	24.486	264	1549554	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	37951	4.283	ng/uL	0.00
4) Pyridine-d5	3.710	84	407174	16.972	ng/u1	0.00
7) Phenol-d5	7.016	99	446704	16.846	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.193	67	306777	18.244	ng/u1	0.00
11) 2-Chlorophenol-d4	7.398	132	355560	16.464	ng/u1	0.00
15) 4-Methylphenol-d8	8.563	113	330064	16.339	ng/u1	0.00
21) Nitrobenzene-d5	9.016	128	145789	15.388	ng/u1	0.00
24) 2-Nitrophenol-d4	9.739	143	123166	13.947	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.275	165	318006	14.816	ng/u1	0.00
31) 4-Chloroaniline-d4	10.786	131	472269	16.562	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	886320	15.773	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	1102950	16.030	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	121598	12.040	ng/u1	0.00
60) Fluorene-d10	15.480	176	821230	16.099	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.586	200	59784	8.980	ng/u1	0.00
73) Anthracene-d10	17.321	188	1236357	16.175	ng/u1	0.00
81) Pyrene-d10	19.604	212	1322682	16.417	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.274	264	1238800	15.769	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	14479m	1.574	ng/uL	
5) Pyridine	3.734	79	120839	4.828	ng/u1	87
6) Benzaldehyde	7.004	77	88187	6.028	ng/u1	99
8) Phenol	7.045	94	131851	4.745	ng/u1	95
10) Bis(2-Chloroethyl)ether	7.287	93	108741	4.983	ng/u1	98
12) 2-Chlorophenol	7.428	128	105059	4.638	ng/u1	97
13) 2-Methylphenol	8.298	108	86589	4.320	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.398	45	177224	5.200	ng/u1	99
16) Acetophenone	8.681	105	156840	4.843	ng/u1	96
17) N-Nitroso-di-n-propyla...	8.669	70	73620	4.382	ng/u1	97
18) 4-Methylphenol	8.622	108	99192	4.555	ng/u1	99
19) Hexachloroethane	8.957	117	44347	4.748	ng/u1	95
22) Nitrobenzene	9.057	77	114356	4.670	ng/u1	96
23) Isophorone	9.586	82	187092	4.184	ng/u1	100
25) 2-Nitrophenol	9.769	139	41394	3.957	ng/u1	97
26) 2,4-Dimethylphenol	9.834	107	98553	4.210	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.069	93	129923	4.505	ng/u1	98
29) 2,4-Dichlorophenol	10.304	162	92948	4.350	ng/u1	94
30) Naphthalene	10.716	128	330593	4.691	ng/u1	99
32) 4-Chloroaniline	10.810	127	134644	4.667	ng/u1	97
33) Hexachlorobutadiene	11.010	225	66730	4.448	ng/u1	99
34) Caprolactam	11.563	113	22323m	3.592	ng/u1	
35) 4-Chloro-3-methylphenol	11.933	107	77515	3.967	ng/u1	97
36) 2-Methylnaphthalene	12.322	142	214010	4.367	ng/u1	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.545	142	207608	4.279	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.686	216	113579	4.232	ng/ul#	96
40) Hexachlorocyclopentadiene	12.680	237	52244	3.733	ng/ul	99
41) 2,4,6-Trichlorophenol	12.922	196	54135	3.519	ng/ul	99
42) 2,4,5-Trichlorophenol	12.992	196	60777	3.554	ng/ul	94
43) 1,1'-Biphenyl	13.333	154	274670	4.519	ng/ul	99
44) 2-Chloronaphthalene	13.369	162	221191	4.544	ng/ul	97
45) 2-Nitroaniline	13.563	65	37743	3.358	ng/ul	90
47) Dimethylphthalate	13.945	163	248827	4.450	ng/ul	98
48) 2,6-Dinitrotoluene	14.057	165	27272	2.986	ng/ul#	86
50) Acenaphthylene	14.216	152	352243	4.595	ng/ul	99
51) 3-Nitroaniline	14.380	138	31718	3.206	ng/ul#	93
52) Acenaphthene	14.557	153	225918	4.555	ng/ul	99
53) 2,4-Dinitrophenol	14.580	184	11417	2.788	ng/ul#	46
55) 4-Nitrophenol	14.674	109	36965	4.677	ng/ul	94
56) Dibenzofuran	14.886	168	328492	4.600	ng/ul	97
57) 2,4-Dinitrotoluene	14.839	165	43295	3.177	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.110	232	44656	3.380	ng/ul	94
59) Diethylphthalate	15.310	149	224213	4.267	ng/ul	99
61) Fluorene	15.533	166	266518	4.494	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.533	204	131798	4.347	ng/ul	95
63) 4-Nitroaniline	15.533	138	35173m	3.597	ng/ul	
66) 4,6-Dinitro-2-methylph...	15.598	198	19224	2.565	ng/ul#	87
67) N-Nitrosodiphenylamine	15.739	169	202542	4.276	ng/ul	97
68) 4-Bromophenyl-phenylether	16.421	248	69241	4.125	ng/ul	96
69) Hexachlorobenzene	16.539	284	88114	4.370	ng/ul#	94
70) Atrazine	16.686	200	69200	4.271	ng/ul	97
71) Pentachlorophenol	16.874	266	39621	3.458	ng/ul	98
72) Phenanthrene	17.268	178	400150	4.561	ng/ul	99
74) Anthracene	17.357	178	396798	4.469	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.292	216	113392	4.346	ng/uL	94
76) Pentachlorobenzene	14.810	250	108885	4.432	ng/uL	98
77) Carbazole	17.621	167	329974	4.247	ng/ul	99
78) Di-n-butylphthalate	18.198	149	289897	3.695	ng/ul	99
80) Fluoranthene	19.274	202	386695	4.172	ng/ul	98
82) Pyrene	19.633	202	454351	4.519	ng/ul	98
83) Butylbenzylphthalate	20.533	149	82972	2.926	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.350	252	86870	3.176	ng/ul	99
85) Benzo(a)anthracene	21.427	228	424971	4.318	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.368	149	138118	3.113	ng/ul	98
87) Chrysene	21.492	228	418208	4.496	ng/ul	99
89) Di-n-octyl phthalate	22.521	149	188764	2.435	ng/ul	100
90) Benzo(b)fluoranthene	23.521	252	380237	4.069	ng/ul	97
91) Benzo(k)fluoranthene	23.586	252	384603	4.040	ng/ul	98
93) Benzo(a)pyrene	24.338	252	368328	4.116	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.921	276	445844	4.031	ng/ul	98
95) Dibenzo(a,h)anthracene	27.979	278	368089	4.006	ng/ul	96
96) Benzo(g,h,i)perylene	28.979	276	373514	4.198	ng/ul	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

