

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070225\
 Data File : BM050340.D
 Acq On : 02 Jul 2025 12:01
 Operator : RC/JU
 Sample : Q2117-04
 Misc : MDL-SOIL-4 PPM
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 02 12:34:49 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	332399	20.000	ng/ul	0.00
20) Naphthalene-d8	10.663	136	1269208	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.492	164	783192	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.227	188	1484464	20.000	ng/ul	0.00
79) Chrysene-d12	21.450	240	1497256	20.000	ng/ul	0.00
88) Perylene-d12	24.479	264	1540356	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.304	96	34114	4.236	ng/uL	0.00
4) Pyridine-d5	3.716	84	376696	17.278	ng/ul	0.00
7) Phenol-d5	7.016	99	409360	16.987	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.192	67	282960	18.517	ng/ul	0.00
11) 2-Chlorophenol-d4	7.398	132	328064	16.715	ng/ul	0.00
15) 4-Methylphenol-d8	8.563	113	305920	16.663	ng/ul	0.00
21) Nitrobenzene-d5	9.022	128	134940	15.375	ng/ul	0.00
24) 2-Nitrophenol-d4	9.745	143	111089	13.580	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.280	165	291111	14.642	ng/ul	0.00
31) 4-Chloroaniline-d4	10.786	131	439630	16.643	ng/ul	0.00
46) Dimethylphthalate-d6	13.898	166	836553	15.682	ng/ul	0.00
49) Acenaphthylene-d8	14.186	160	1046500	16.022	ng/ul	0.00
54) 4-Nitrophenol-d4	14.662	143	117509	12.257	ng/ul	0.00
60) Fluorene-d10	15.480	176	781249	16.133	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.580	200	56741	8.850	ng/ul	0.00
73) Anthracene-d10	17.321	188	1196518	16.254	ng/ul	0.00
81) Pyrene-d10	19.603	212	1292429	16.159	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.279	264	1233331	15.793	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	13811	1.653	ng/uL	96
5) Pyridine	3.734	79	113476	4.989	ng/ul	89
6) Benzaldehyde	7.004	77	80182m	6.031	ng/ul	
8) Phenol	7.045	94	123288	4.882	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.286	93	98242	4.953	ng/ul	98
12) 2-Chlorophenol	7.434	128	95239	4.626	ng/ul	98
13) 2-Methylphenol	8.304	108	80331	4.409	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.392	45	163161	5.267	ng/ul	98
16) Acetophenone	8.680	105	151173	5.137	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.669	70	68313	4.474	ng/ul	97
18) 4-Methylphenol	8.622	108	92252	4.661	ng/ul	95
19) Hexachloroethane	8.957	117	40200	4.736	ng/ul	94
22) Nitrobenzene	9.063	77	107697	4.748	ng/ul	99
23) Isophorone	9.586	82	174868	4.222	ng/ul	98
25) 2-Nitrophenol	9.775	139	37584	3.878	ng/ul	97
26) 2,4-Dimethylphenol	9.833	107	90277	4.163	ng/ul	95
27) Bis(2-Chloroethoxy)met...	10.069	93	122106	4.570	ng/ul	97
29) 2,4-Dichlorophenol	10.304	162	87153	4.403	ng/ul	96
30) Naphthalene	10.716	128	306161	4.690	ng/ul	99
32) 4-Chloroaniline	10.810	127	125397	4.692	ng/ul	98
33) Hexachlorobutadiene	11.010	225	62576	4.502	ng/ul	97
34) Caprolactam	11.563	113	22686m	3.940	ng/ul	
35) 4-Chloro-3-methylphenol	11.933	107	72308	3.995	ng/ul	94
36) 2-Methylnaphthalene	12.321	142	200235	4.411	ng/ul	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.539	142	194614	4.330	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.692	216	106857	4.194	ng/ul	98
40) Hexachlorocyclopentadiene	12.680	237	49067	3.693	ng/ul#	98
41) 2,4,6-Trichlorophenol	12.921	196	52286	3.581	ng/ul	99
42) 2,4,5-Trichlorophenol	12.986	196	56529	3.482	ng/ul	94
43) 1,1'-Biphenyl	13.333	154	256240	4.441	ng/ul	99
44) 2-Chloronaphthalene	13.368	162	208214	4.506	ng/ul	97
45) 2-Nitroaniline	13.563	65	35703	3.346	ng/ul	94
47) Dimethylphthalate	13.945	163	236349	4.453	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	25503	2.942	ng/ul#	92
50) Acenaphthylene	14.215	152	333681	4.585	ng/ul	99
51) 3-Nitroaniline	14.380	138	31116	3.313	ng/ul#	94
52) Acenaphthene	14.557	153	215724	4.582	ng/ul	98
53) 2,4-Dinitrophenol	14.580	184	10926	2.811	ng/ul#	45
55) 4-Nitrophenol	14.674	109	34610	4.612	ng/ul	92
56) Dibenzofuran	14.892	168	314722	4.642	ng/ul	98
57) 2,4-Dinitrotoluene	14.839	165	39953	3.088	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.109	232	41178	3.284	ng/ul	96
59) Diethylphthalate	15.309	149	215082	4.312	ng/ul	98
61) Fluorene	15.533	166	249969	4.440	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.533	204	127618	4.434	ng/ul	98
63) 4-Nitroaniline	15.533	138	33618	3.621	ng/ul#	80
66) 4,6-Dinitro-2-methylph...	15.598	198	19756	2.737	ng/ul#	85
67) N-Nitrosodiphenylamine	15.739	169	193760	4.247	ng/ul	96
68) 4-Bromophenyl-phenylether	16.421	248	65592	4.057	ng/ul	98
69) Hexachlorobenzene	16.533	284	83305	4.290	ng/ul	94
70) Atrazine	16.686	200	65001	4.166	ng/ul	97
71) Pentachlorophenol	16.874	266	39182	3.551	ng/ul	99
72) Phenanthrene	17.262	178	377374	4.466	ng/ul	99
74) Anthracene	17.356	178	381528	4.462	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.292	216	104757	4.169	ng/uL	99
76) Pentachlorobenzene	14.810	250	106236	4.490	ng/uL	99
77) Carbazole	17.621	167	323234	4.320	ng/ul	98
78) Di-n-butylphthalate	18.198	149	283834	3.757	ng/ul	99
80) Fluoranthene	19.274	202	377009	4.097	ng/ul	96
82) Pyrene	19.633	202	450818	4.516	ng/ul	98
83) Butylbenzylphthalate	20.533	149	81173	2.883	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.350	252	84757	3.122	ng/ul	99
85) Benzo(a)anthracene	21.433	228	420607	4.305	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.368	149	137227	3.115	ng/ul	99
87) Chrysene	21.491	228	419548	4.543	ng/ul	98
89) Di-n-octyl phthalate	22.521	149	181565	2.356	ng/ul	100
90) Benzo(b)fluoranthene	23.527	252	369986	3.983	ng/ul	98
91) Benzo(k)fluoranthene	23.585	252	393087m	4.154	ng/ul	
93) Benzo(a)pyrene	24.338	252	354866	3.990	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	27.915	276	434013	3.947	ng/ul	96
95) Dibenzo(a,h)anthracene	27.979	278	362990	3.974	ng/ul	98
96) Benzo(g,h,i)perylene	28.979	276	368563	4.168	ng/ul	97

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

