

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM070225\
 Data File : BM050339.D
 Acq On : 02 Jul 2025 11:21
 Operator : RC/JU
 Sample : Q2117-02
 Misc : MDL-WATER-4PPM
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Jul 02 12:31:06 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	338842	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	1260836	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.492	164	769179	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.227	188	1473576	20.000	ng/u1	0.00
79) Chrysene-d12	21.445	240	1504454	20.000	ng/u1	0.00
88) Perylene-d12	24.486	264	1537332	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	35665	4.345	ng/uL	0.00
4) Pyridine-d5	3.716	84	381490	17.165	ng/u1	0.00
7) Phenol-d5	7.016	99	409526	16.671	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.193	67	285297	18.315	ng/u1	0.00
11) 2-Chlorophenol-d4	7.399	132	327717	16.380	ng/u1	0.00
15) 4-Methylphenol-d8	8.563	113	305873	16.344	ng/u1	0.00
21) Nitrobenzene-d5	9.016	128	136618	15.670	ng/u1	0.00
24) 2-Nitrophenol-d4	9.740	143	109569	13.483	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.281	165	295626	14.968	ng/u1	0.00
31) 4-Chloroaniline-d4	10.787	131	436891	16.649	ng/u1	0.00
46) Dimethylphthalate-d6	13.898	166	823689	15.722	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	1021849	15.930	ng/u1	0.00
54) 4-Nitrophenol-d4	14.663	143	119179	12.657	ng/u1	0.00
60) Fluorene-d10	15.480	176	766004	16.106	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.580	200	56662	8.903	ng/u1	0.00
73) Anthracene-d10	17.321	188	1179205	16.137	ng/u1	0.00
81) Pyrene-d10	19.604	212	1284280	15.980	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.274	264	1234512	15.839	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.340	88	13209m	1.550	ng/uL	
5) Pyridine	3.734	79	114870	4.954	ng/u1	87
6) Benzaldehyde	7.004	77	80028m	5.905	ng/u1	
8) Phenol	7.046	94	124841	4.850	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.287	93	98924	4.893	ng/u1	95
12) 2-Chlorophenol	7.428	128	96313	4.589	ng/u1	96
13) 2-Methylphenol	8.298	108	80205	4.319	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.404	45	160642	5.087	ng/u1	98
16) Acetophenone	8.687	105	148359	4.945	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.669	70	67535	4.339	ng/u1#	96
18) 4-Methylphenol	8.622	108	92649	4.592	ng/u1	96
19) Hexachloroethane	8.957	117	41200	4.761	ng/u1	90
22) Nitrobenzene	9.063	77	104881	4.655	ng/u1	93
23) Isophorone	9.587	82	166265	4.041	ng/u1	99
25) 2-Nitrophenol	9.775	139	37526	3.898	ng/u1	97
26) 2,4-Dimethylphenol	9.834	107	89076	4.135	ng/u1	95
27) Bis(2-Chloroethoxy)met...	10.069	93	120294	4.532	ng/u1	98
29) 2,4-Dichlorophenol	10.304	162	86717	4.410	ng/u1	98
30) Naphthalene	10.716	128	304906	4.702	ng/u1	99
32) 4-Chloroaniline	10.810	127	124564	4.692	ng/u1	98
33) Hexachlorobutadiene	11.010	225	61863	4.481	ng/u1	99
34) Caprolactam	11.557	113	20807m	3.638	ng/u1	
35) 4-Chloro-3-methylphenol	11.928	107	69990	3.892	ng/u1	98
36) 2-Methylnaphthalene	12.322	142	196247	4.352	ng/u1	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.539	142	190911	4.276	ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.686	216	106555	4.259	ng/ul#	99
40) Hexachlorocyclopentadiene	12.681	237	49339	3.782	ng/ul	98
41) 2,4,6-Trichlorophenol	12.922	196	51473	3.589	ng/ul	99
42) 2,4,5-Trichlorophenol	12.992	196	57623	3.614	ng/ul	98
43) 1,1'-Biphenyl	13.328	154	254783	4.496	ng/ul	99
44) 2-Chloronaphthalene	13.369	162	204891	4.515	ng/ul	97
45) 2-Nitroaniline	13.563	65	34591	3.301	ng/ul	93
47) Dimethylphthalate	13.945	163	232310	4.457	ng/ul	99
48) 2,6-Dinitrotoluene	14.057	165	24678	2.899	ng/ul	88
50) Acenaphthylene	14.216	152	330109	4.619	ng/ul	99
51) 3-Nitroaniline	14.380	138	30217	3.276	ng/ul#	93
52) Acenaphthene	14.557	153	210395	4.550	ng/ul	98
53) 2,4-Dinitrophenol	14.580	184	10595	2.776	ng/ul#	67
55) 4-Nitrophenol	14.675	109	34912	4.737	ng/ul	93
56) Dibenzofuran	14.886	168	312711	4.697	ng/ul	99
57) 2,4-Dinitrotoluene	14.839	165	39154	3.082	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	15.110	232	42635	3.462	ng/ul	94
59) Diethylphthalate	15.310	149	207692	4.240	ng/ul	99
61) Fluorene	15.533	166	248042	4.486	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.533	204	123770	4.379	ng/ul	97
63) 4-Nitroaniline	15.533	138	33700	3.696	ng/ul#	84
66) 4,6-Dinitro-2-methylph...	15.598	198	18581	2.594	ng/ul#	94
67) N-Nitrosodiphenylamine	15.739	169	189098	4.176	ng/ul	97
68) 4-Bromophenyl-phenylether	16.421	248	65194	4.062	ng/ul	96
69) Hexachlorobenzene	16.539	284	82284	4.269	ng/ul	98
70) Atrazine	16.686	200	66470	4.292	ng/ul	95
71) Pentachlorophenol	16.874	266	38686	3.532	ng/ul	99
72) Phenanthrene	17.268	178	380323	4.534	ng/ul	99
74) Anthracene	17.357	178	380060	4.477	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.292	216	105264	4.220	ng/uL	98
76) Pentachlorobenzene	14.810	250	105795	4.504	ng/uL	98
77) Carbazole	17.615	167	316037	4.255	ng/ul	99
78) Di-n-butylphthalate	18.198	149	271894	3.625	ng/ul	99
80) Fluoranthene	19.274	202	375521	4.061	ng/ul	99
82) Pyrene	19.633	202	448246	4.469	ng/ul	97
83) Butylbenzylphthalate	20.533	149	79009	2.793	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.351	252	81718	2.995	ng/ul	97
85) Benzo(a)anthracene	21.433	228	417067	4.249	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.368	149	133018	3.005	ng/ul#	95
87) Chrysene	21.492	228	419185	4.518	ng/ul	100
89) Di-n-octyl phthalate	22.521	149	172034	2.237	ng/ul	100
90) Benzo(b)fluoranthene	23.521	252	373449m	4.029	ng/ul	
91) Benzo(k)fluoranthene	23.586	252	375533	3.976	ng/ul	99
93) Benzo(a)pyrene	24.344	252	372653	4.198	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	27.921	276	429204	3.911	ng/ul	98
95) Dibenzo(a,h)anthracene	27.980	278	355445	3.899	ng/ul	97
96) Benzo(g,h,i)perylene	28.979	276	357818	4.054	ng/ul	98

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

